

# Personal Systems Reference IBM ThinkPad Notebooks 1992 to 2001 - withdrawn

January 2001 - Version 214



### IBM ThinkPad® 240 - withdrawn

IBM® ThinkPad®							
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	No upgrade / processor or 128KB / onboard (full spe External 3.5" 1.44MB / cor Option: External CD-ROM	n Ball Grid A <b>eed)</b> / synch nnects to left I / via Portab	400MHz <sup>1</sup> / 66MHz system burray (H-PBGA) ronous pipelined burst / ECC side with FDD port / include le Drive Bay and 24X-10X <sup>5</sup> C ble Drive Bay and DVD-ROM	C / write-ba es case and CD-ROM Ul	d cable traslimBay Drive		
Type-model Processor Disk - size / ms Preload (see side) Avail / withdrawn date	2609-21U Celeron 300MHz 6.4GB <sup>4</sup> / 13ms read / Ultra Windows 98 <sup>7</sup> June 1999 / February 2000		2609-31U     Celeron 366MHz	S< 2609-41U Celeron 400MHz 12.0GB / 12ms read / ATA-66 or PIO4 Windows 987 SE February 2000 / February 2001			
Display - size and type Display - technology	e 10.4" TFT color (264.16mn SVGA / 800x600 / 15ms re 16.7 million simultaneous	efresh (typica	l) / 50 to 110 nits				
Graphics - controller  Graphics - features  Memory - std / max  Memory - features	2MB / SGRAM (embedded Simultaneous LCD and CR 64MB / 192MB <sup>33</sup> SDRAM / non-parity / 66Ml	d) / color spa RT <sup>26</sup> / 180 de <sub>!</sub> Hz / 3.3 volt /	gree tilt / no multiple-monitor	support / e	xt SVGA to 1024x768 with 65,536 colors		
Disk controller / disk Keyboard	motherboard / socket acce EIDE / PCI 2.1 / supports disk for upgrade (by removing	essed by ren one internal ing three scre	noving three screws and key disk / customer can remove	/board	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98 (Model 21U) or Microsoft® Windows® 98 Second Edition (Model 31U and 41U)  • Online User's Guide		
Pointing	• •	ect / Release	-to-Select / dragging / click pa	ace /	ThinkPad Configuration Program     ThinkPad Utilities     ThinkPad on the Not.		
Dimensions Weight <sup>2</sup> Case material	Approximately 2.98 lbs (1.3	35 kg) wiṫh b n™ casing / T	60mm x 202mm x 26.6mm attery and disk op: carbon-fiber reinforced pl	lastic;	ThinkPad on the Net Access ThinkPad IBM Update Connector RingCentral Fax IBM Registration		
Battery - type Battery - life <sup>10</sup>	Li-lon (3 cell) / intelligent / I 21U: 1.9 hrs 31U: 1.8 hrs Optional 6 cell battery 3.8 h	<i>41U:</i> 1.7	hrs 3.6 hrs (31U) or 3.4 hrs (41U)	)	IBM Global Network Dialer     Netscape Communicator     PC-Doctor		
Charge time <sup>10</sup>	3.5 hrs on / 3.0 hrs off			,	<ul> <li>ConfigSafe®</li> <li>Norton AntiVirus™ (OEM Version)</li> </ul>		
Docking station Port replicator PC Card Std slots USB / serial / parallel Other features	Intel 440DX PCIset / Intel Texas Instruments® TI1211 PCI 2.1 / 32-bit / 33MHz (E ISA (diskette, serial, paralle None None (all standard ports al 1 Type I or 1 Type II / Cardl One USB / one 9 pin; 1655 APM-aware BIOS / Ultraslir	I PCMCIA co IDE, graphic el, infrared) ready on bao Bus 32-bit / F 50A / one (IE	i, İR, I/Ó) dem)	Universal Management Services (web Software Selections CD     Lotus® SmartSuite Millennium CD     Recovery CD-ROM (Windows 98)     Recovery CD-ROM (Windows 95)			
Video (TV) out MPEG decoder Data/fax modem	None None (software support for 56K <sup>37</sup> V.90 / integrated in s Lucent 1646 / not voice-ca	system / Min apable	i PCI Type IIIb /				
Audio Speaker Audio features Audio in/out jacks Infrared ports	16-bit SoundBlaster Pro™ One internal speaker (.5 w Internal microphone / Fn+l Microphone jack (mono) / Infrared port on right side /	/att) Insert and Fi headphone	n+Delete volume control with jack (stereo) / line-in jack (st	n mute tereo)			
Security Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - carry-in or ThinkPa	ad EasyServ	disk password / security key (TM31 (door-to-door depot repaties) / serv up to 5 yrs from pure	ir service)	Disks are S.M.A.R.T. <sup>29</sup> compliant		
Color depth LCD	External Monitor		OPTIONS		FEATURES		
Resolution TFT 60 640x480 16M 10 800x600 16M 10 1024x768* 64K 64	0Hz 70Hz 75Hz 85Hz 6M 16M 16M 6M 16M 16M 4K 64K 64K 	- 64MB SO - 128MB SO - 12GB disk - High-capa	DIMM 3.3v NP SDRAM DIMM 3.3v NP SDRAM D DIMM 3.3v NP SDRAM (, 12ms read, ATA-66 city 6-cell Li-Ion Battery	76H0294 20L0241 01K1150 05K9245 02K6580	Wired for Management 1.1a compliant DMI 2.0 compliant PC 98 compliant ACPI ready (APM enabled) Setup Guide, User's Reference, Windows		
* Virtual screen mode	e on 10.4" LCD		56 watt AC Adapter (3-prong) Card Modem with XJACK <sup>24</sup>	02K6545 10L7393	OS manual, and Quick Reference Card System Status Indicators		
All models: - C: drive is FAT16 of - D: drive is FAT32 of  Pressing F1 during st BIOS Setup Utility	2GB remaining space tartup brings up IBM	- V.90 56K Cellular C - 10/100 Eti - 10/100 Eti - Turbo 16/- - Smart Car - IBM Porta - Zip 100ME - SuperDisk - DVD-RON - 24X-10X (	PC Card Modem with apability <sup>24</sup> hernet CardBus PC Card herJet plus 56K modem <sup>37</sup> 4 Token-Ring PC Card II of Security Kit ble Drive Bay (UltraslimBay) 3 UltraslimBay Drive t LS-120 UltraslimBay Drive I UltraslimBay Drive CD-ROM UltraslimBay Drive	02K4196 08L3147 08L3167 34L1401 33L5075 37L1511 37L1507 20L1929 05K8890 05K9122	Reset switch on bottom Plug and Play 1.0a Standby, suspend, redisafe, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>®</sup> , <sup>35</sup> 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support		
- ThinkPad Proven™ www.ibm.com/pc/us			Port USB Hub Pad Mobile Mouse	00N8215 28L3670			

IBM <sup>®</sup> ThinkPad <sup>®</sup>						
Processor L2 cache Diskette drive CD-ROM LS-120 and CD-RW	Celeron: 128KB / onboard External 3.5" 1.44MB / con Option: External via USB p	60MHz¹ or Intel Mobile Pentium (at processor speed); Pentiur inects to left side with FDD port port or via Portable Drive Bay 20 ole Drive Bay 2000 and drive opt	n <i>III:</i> <b>256KB</b> / onbo / includes case and 00 and 24X-10X <sup>5</sup> C	ard (at prod d cable D-ROM Ult	cessor speed) rabay 2000 Drive	
Type-model Processor Disk - size / ms Preload (see side) Available date	2609-51U Celeron 450MHz 6.0GB <sup>4</sup> / 13ms read / Ultra Windows 98 <sup>7</sup> SE June 2000	2609-52U Celeron 450MHz DMA/33 or PIO Mode 4 Windows 2000 June 2000	2609-61U Pentium III 500M 12.0GB / 12ms re Windows 98 <sup>7</sup> SE June 2000	Hz   ad / ATA-6	<b>2609-62U Pentium III 500MHz</b> 6 or PIO4 <b>Windows 2000</b> June 2000	
Display - size and type Display - technology	e <b>10.4" TFT color</b> (264.16mn <b>SVGA</b> / 800x600 / 15ms re 16.7 million simultaneous c	n) / Active Matrix fresh (typical) / 50 to 110 nits olors / 150 to 1 contrast (typical)				
Graphics - controller Graphics - features		+ SM712G™ / DDC2B / l) / color space conversion / mult T <sup>26</sup> / 180 degree tilt / external SV				
Memory - std / max Memory - features	<b>64MB</b> / 192MB <sup>33</sup> SDRAM / non-parity / <b>100M</b> 1 available socket for JEDI		ory soldered to		NDOWS 98 PRELOAD16	
Disk controller / disk Keyboard	EIDE / PCI 2.1 / supports of disk for upgrade (by removi	one internal disk / customer can r	emove	- Microsof Edition	ft® Windows® 98 Second  Jser's Guide	
Pointing		ct / Release-to-Select / dragging	/ click pace /	<ul><li>ThinkPa</li><li>ThinkPa</li><li>Access</li></ul>		
Dimensions Weight <sup>2</sup> Case material	51U/52U: approximately 2. 61U/62U: approximately 3.	c inches) / 260mm x 202mm x 26 98 lbs (1.35 kg) with battery and 28 lbs (1.49 kg) with battery and m casing / Top: carbon-fiber rein ed plastic	disk disk	<ul><li>PC-Doct</li><li>ConfigSa</li><li>Norton A</li></ul>		
Battery - type Battery - life <sup>10</sup>	51U/52U: Li-Ion (3 cell); 6	1U/62U: Li-Ion (6 cell); All: intell 1U/62U: 4.2 hrs	igent / left side			
Charge time <sup>10</sup> Architecture	3.5 hrs on / 3.0 hrs off Intel 440MX PCIset (82443 chip / TI1211 PCMCIA cont	BMX) / combines Host Bridge and troller / NS PC97338 (FDC, IR, I/ EIDE, graphics, PCMCIA, USB, a	O) /	WINE	DOWS 2000 PRELOAD <sup>16</sup> s 2000® Professional	
Docking station Port replicator PC Card Std slots USB / serial / parallel Other features	None None (all standard ports all 1 Type I or 1 Type II / CardE	,	ned Video support CP, bidirectional)	ThinkPad Utilities     Online User's Guide     ThinkPad Configuration Program     PC-Doctor     ConfigSafe     Norton AntiVirus™ (OEM Version)		
Video (TV) out Data/fax modem Audio	AC97 codec	support / CS4281 PCI audio / CS	64297A	IBM Upo     Universa     ♦ Software     ♦ Lotus® S	date Connector  Il Manageability Services (web)  E Selections CD  ConartSuite® Millennium CD	
Speaker Audio features Audio in/out jacks Infrared ports	Microphone jack (mono) / Infrared port on right side /	nsért and Fn+Delete volume cor headphone jack (stereo) / line-in IrDA 1.1 compatible / up to 4Mb	jack (stereo) ps	♦ Recover ♦ Recover	y CD-ROM (Windows 2000) y CD-ROM (Windows NT) <sup>40</sup>	
Security		o password / disk password / sec ad EasyServ™³¹ (door-to-door de				
Limited warranty <sup>11</sup> Service options <sup>15</sup>	Service upgrades available	based on specific ThinkPad pur	chased			
640x480 16M 1 800x600 16M 1 1024x768* 64K 6 1280x1024 * Virtual screen mode	External Monitor           0Hz         70Hz         75Hz         85Hz           6M          16M         16M           6M          16M         16M           4K         64K         64K                  e on 10.4" LCD	OPTIONS  - 32MB SO DIMM 100MHz NP 9  - 64MB SO DIMM 100MHz NP 9  - 128M SO DIMM 100MHz NP 9  - 12GB disk, 12ms read, ATA-6  - High capacity 6-cell Li-lon Bat  - Ultraslim 72 watt AC Adapter  - DC Auto Adapter  - V.90 56K Intern Modem with 60	SDRAM 20L0254 SDRAM 20L0255 6 05K9245 tery 02K6580 02K6699 02K3381 GSM 02K4280	warranty Personaliz Wired for I DMI 2.0-co PC 99-con ACPI read Setup Guid	ed web-based support Management 1.1a compliant ompliant mpliant ly (APM enabled) de, User's Reference, Windows	
All models: - C: drive is FAT16 of - D: drive is FAT32 o  Pressing F1 during s BIOS Setup Utility Disks are S.M.A.R.T.	tartup brings up IBM  29 compliant  solutions 12 (visit	- 10/100 EtherJet™ CardBus Ac - IBM 16/4 Token-Ring CardBus - Smart Card Security Kit - IBM Portable Drive Bay 2000 - IBM MultiPort USB Hub - IBM 340MB microdrive - IBM USB Portable CD-ROM D - IBM USB Mobile Mouse - IBM USB Numeric Keypad	lapter 34L5301 34L4801 33L5075 19K4480 00N8215 00N8073	OS man System St Reset swit Plug and F Standby, s hibernati ENERGY Internation IBM Syste 24 hour / 7 electroni	ual, and Quick Reference Card latus Indicators ich on bottom Play 1.0a suspend, redisafe, and ion modes STAR compliant lal Warranty Service <sup>14</sup> lmXtra <sup>®. 35</sup> 7 day <sup>30</sup> telephone, fax, c, and Internet	
www.ibm.com/pc/u	ο/ ιτιτικμαυ/ μιυνειι)			(VV VV VV.)	m.com/pc/us) support	

#### III ThinkPad 300, 500, 700, 700C - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>≈ 300</b>	<b>≈ 500</b>	<b>≈ 700</b>	× 700C
	monochrome	sub-notebook	monochrome	color TFT
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	80386 SL 25 MHz 64 KB external Yes (for 387 SL) 3.5" 1.44 MB	80486 SLC2 50/25 MHz 16 KB internal No External 3.5" 1.44 MB	80486 SLC	80486 SLC
Price (retail USD) Type - model Hard drive - size Hard drive - speed Available date Withdrawal date	\$ 1,999 2615-065 <b>80 MB</b>	\$ 1,999 2603-081 85 MB 15 ms June 93 Dec 93 \$ 2,499 2603-171 170 MB 15 ms June 93 Dec 93	\$ 2,750 9552-300 <b>82 MB</b>	\$ 4,350 9552-30B 120 MB 17 ms O Oct 92 Oct 93
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	VGA mono 64 grey scales STN LCD - Side-lit 9.5 inch 13 to 1 Yes	VGA mono 64 grey scales STN LCD - backlit 7.4 inch 18 to 1 Yes (external SVGA)	VGA mono 64 grey scales STN LCD - backlit 9.5 inch 18 to 1 Yes	VGA color 256 colors 640x480 Thin film transistor Active matrix 10.4 inch 100 to 1 Yes
Memory - std / max Mem - sockets empty SIMM/ICs available	4 / 12 MB 80 ns 2 sockets (parity) 2, 8 MB SIMMs	4 / 12 MB 80 ns 1 socket (non-parity) 4, 8 MB ICs (3.3 volt)	4 / 16 MB 80 ns 2 sockets (parity) 2, 4, 8 MB ICs	4 / 16 MB 80 ns 2 sockets (parity) 2, 4, 8 MB ICs
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num/ 82 Yes (back panel) Miniature (option) Yes 12 (in any appl)	90% size alp/num/ 81 11 (in any appl) No <b>TrackPoint II</b> ™ No	Full size alp/num/ 84 None 8 degrees (legs) <b>TrackPoint II</b> Yes (with opt cable)	Full size alp/num/84 None 8 degrees (legs) <b>TrackPoint II</b> Yes (with opt cable)
Dimensions Cubic inches Carrying case Color Weight (with battery)	12.1 x 8.5 x 1.7" 175 inches Blk nylon (option) Charcoal grey 5.9 pounds	10.1 x 7.2 x 1.6" 116 inches Blk nylon (option) Black 3.8 pounds	11.7 x 8.3 x 1.9" 185 inches Blk nylon (option) Black 6.5 pounds	11.7 x 8.3 x 2.2" 214 inches Blk nylon (option) Black 7.6 pounds
Battery - type Batt - life (per battery) Charge time - on / off Battery - options	Nickel hydride 3 to 10 hours 10 hrs / 2 hrs None	Sealed lead acid 3 to 9 hours 2.5 hrs / 1.2 hrs Nickel hydrid (\$49)	Nickel hydride 3.8 to 7.5 hours 3 hrs / 2 hrs Yes - status indicator	Nickel hydride 2 to 4 hours 1.5 hrs / 1.4 hrs Yes - status indicator
Architecture External AT/MCA port Comm Crtrdge (1 card) Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Visible LEDs - closed Serial / parallel ports	AT bus No No (fast parallel) No Yes None Modem only Yes - batt charge Yes / Yes (EPP)	AT bus No No No No No Type I or 1 Type II Yes Yes (cable) / Yes (EPP)	Micro Channel® Yes Yes (black) Yes (3550-002) blk Yes (black) Yes None Yes Yes / Yes (DMA)	Micro Channel Yes Yes (black) Yes (3550-002) blk Yes (black) Yes None Yes Yes / Yes (DMA)
APM-aware BIOS Other features Preinstalled software Warranty	APM-aware BIOS Hrdw security loop None 1 year - carry in or EasyServ (opt onsite)	APM-aware BIOS Hibernation mode DOS 5.02, PRODIGY® 1 year - carry in or EasyServ (opt onsite)	APM-aware BIOS Hrdw security loop DOS 5.02, PRODIGY 3 year - carry in or EasyServ (opt onsite)	APM-aware BIOS Hrdw security loop DOS 5.02, PRODIGY 3 year - carry in or EasyServ (opt onsite)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 360, 750, 755. The 700/720 memory IS compatible with 360, 750, 755.

#### **FEATURES OF 500**

Most powerful sub-notebook with 486SLC2 Lightweight 3.8 pounds

Hibernation mode saves memory to the hard drive and shuts system off External VGA is SVGA (to 800 x 600) Std external floppy (9 oz) plugs into back Personalized nameplate in molded indentation

Coupon book with \$4,000 in savings Self charging battery with integrated wall plug and no memory effect (081, 171)

ThinkPad 500 models 081 and 171 withdrawn due to problems with the sealed lead acid battery and replaced by models 08N and 17N with a nickel hydride battery

#### **FEATURES OF 300**

Upgradeable to TFT active color; 8.4" Ethernet on planar for 10baseT,10base2 Upgradeable to 120 MB (80 MB version) External VGA is SVGA (to 1024 x 768) 2 level password security Hot key setup in any application Standby mode and rest mode Rest mode lasts up to 2 weeks

#### FEATURES OF 700/700C and 720/720C

3 year international warranty 700/720 mono upgradeable to TFT color 700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, or 340 MB Removable hard disk Pressure activated TrackPoint II

Optional battery w/ power status indicators Quick Charger holds 2 batt; discharge button Coupon book with \$4,000 in savings

#### **FEATURES OF ALL PRODUCTS**

Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International warranty

IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227

### THE ThinkPad 310 (EMEA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>≈</b> 310	<b>≈</b> 310	> 310D		
	11.3" Dual Scan SVGA col			SVGA color / 10 x CD-ROM	
Processor type Processor upgrade L2 cache External FDD port Diskette drive CD-ROM drive Code name	None 256 KB / write-back / direct	t mapped / 7 ns / sychronous pip with standard external diskette or eft side)  None (upgrade available) LaCrosse	pelined burst n CD-ROM-based m  External 3.5" 1.44	y nodel; or use if upgrade to CD-ROM) · MB (connect to rear) notable(left side) / CAV	
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller		/ supports one internal disk	2600-200		
Display - size and type	11.3" Dual Scan SVGA cold	r 11.3" TFT SVGA color	11.3" Dual Scan S	SVGA color	
Display - techology	11.3" SVGA color / 640x48 256 simultaneous colors /	30 or 800x600 Dual Scan / 30 to 1 contrast ratio		640x480 or 800x600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio	
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	PCI 2.1 / interpolation / cold	T/180 degree tilt / Zoomed Vide		WINDOWS 95 PRELOAD	
Memory - std / max Memory - features Memory - upgrade	60 ns / non-parity / 3.3 volt	SO-DIMM is installed in one of tw / EDO / memory installed from bo JEDEC 144 pin EDO SO-DIMM (	ottom of system	Microsoft Windows 95 OSR2 (FAT16)     Notebook Manager     PhoenixCard Manager     (no diskette factory)	
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag lo	remains flat (no sloop) / no liftup l		(10 diskette lactory)     1. IBM Anti-Virus     2. IntelliQuest Registration Mailer     3. ThinkPad Customization Icon     - Lotus SmartSuite CD-ROM	
Dimensions Weight	11.7 x 8.9 x 1.9" (198 cubic 6.6 pounds (3.0 kg)	c inches) 6.6 pounds (3.0 kg)	7.0 lbs (3.2 kg)	Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)	
Battery - type Battery - life Charge time - on / off	2.5 hours	ery unique to 310 / insert from rig on-disruptive battery exchange	ht side		
Architecture  Docking Station	ISA (audio, diskette, serial PCI 2.1 / 32-bit / 33MHz (E	, parallel) / ALI <sup>®</sup> Aladdin III M152			
Port replicator PCMCIA™ slots Serial / parallel ports Other features	None 2 Type I or 2 Type II or 1 Ty CardBus 32-bit PCI/Zoon One 9 pin; 16550A / one (IE Universal AC Adapter 3 pro	pe III / PCMCIA 2.1 compatible / F ned Video support in lower slot EE P1284-A, EPP, ECP, bidirect ong (45 watts) with barrel connect	tional) tor (slim) /	;	
Video in/out MPEG decoder Data/fax modem Audio support Audio jacks Telephone Infrared ports	None None None 16-bit audio chip / 18 voic Internal stereo speakers /	e MIDI FM synthesis / Yamaha watt / Fn key volume control output jack (3.5 mm) / stereo mic	YMF715		
Security	Diskette and disk write prof	o password (for Notebook Manag ect and disable / back (Kensington™ cable lock)	er and BIOS Utility)/	Disk is not removable, but it can be upgraded via a dealer or service center	
Preinstalled software Warranty	Windows 95 with application 1 year - carry-in	, ,		(not customer installable).  System does not have non-disruptive	
BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.  Fn +F1 = Hot key help Fn +F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn +F3 = LCD/CRT/Simultaneous Fn +F4 = Fuel gauge Fn +F5 = Audio volume Fn + arrows = Adjust volume Fn + F6 = Power mgmt and system info Fn +F7 = Standby Fn +F8 = Hibernation Fn + Esc = Close Hot key icon		compatible in ThinkPad 310 family:  2.1GB HDD 13/14 ms (user upgradeable) 11J8643 NiMH Battery 11J8639 AC Adapter, 3 prong w/o power cord AC Adapter, 3 prong with US power cord 8MB SO DIMM 3.3v NP EDO 64-bit, gold 12MB SO DIMM 3.3v NP EDO 64-bit, gold 13MB SO DIMM 3.3v NP EDO 64-bit, gold 13MB SO DIMM 3.3v NP EDO 64-bit, gold 11J8636 10 x CD-ROM w/ external FDD/cable (dealer installable only) PCMCIA 28.8Kbps International 42H4319		báttery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  FEATURES OF 310 MODELS  Plug and Play 1.0a Standby and hibernation modes Color LED indicator US EPA Energy Star compliant Personalized nameplate indention	

### ThinkPad® 310E and 310ED (EMEA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	310E 12.1" Dual Scan SVGA color	310E 11.3" TFT SVGA color	310ED	SVGA color / 10X CD-ROM	
Processor type		z <sup>1</sup> Pentium MMX 150/60MHz	Pentium MMX 13		
Processor upgrade	None	-	promount many re	707 00 Mil 12	
Processor features	MMX technology / P55CLM /	64-bit to transfers to L2 cache	and memory		
L2 cache	256KB / write-back / direct m	apped / 7ns / sychronous pipeli	ned burst	adal, ar usa if unarada ta CD DOM	
External FDD port Diskette drive	Internal 3.5" 1.44MB (on left			odel; or use if upgrade to CD-ROM) 4MB (connect to rear)	
CD-ROM drive	None (upgrade available)	side)		pootable (left side) / CAV	
Code name	LaCrosse-2		LaCrosse-2	70010070 (1011 0100) / 0711	
Price					
Type - model	2600-400	2600-600	2600-500		
Preload (see side)	Windows 95 OSR2				
Avail / withdrawn date		rito / DIO Modo 4 / SMART			
Disk - size / ms Disk controller	1.6GB <sup>4</sup> / 13ms read; 14ms w EIDE / busmaster / PCI 2.1 /	supports one internal disk			
	12.1" Dual Scan SVGA colo		12.1" Dual Scan	SVCA color	
. ,	12.1" SVGA color / 640 x 48			640 x 480 or 800 x 600 / 65,536 sim colors	
Display - techology	256 simultaneous colors / Du	ual Scan / 30 to 1 contrast ratio	Black Matrix TFT -	active matrix / 100 to 1 contrast ratio	
Graphics - controller		it SVGA accelerator / 1MB EDO	DRAM/70ns		
Grapn - arcn/data patn Gaphics - features	PCI 2.1 / interpolation / color s	space conversion / 180 degree tilt / Zoomed Video	cupport		
Graphics - external	External SVGA to 1024x768 v		зирроп		
Memory - std / max		D-DIMM is installed in one of two	sockets	WINDOWS OF BBELLOADAS	
Memory - features	60ns / non-parity / 3.3 volt / El	DO / memory installed from botte	om of system	WINDOWS 95 PRELOAD <sup>16</sup>	
Memory - upgrade		DEC 144 pin EDO SO-DIMM of	8, 16, or 32MB	- Microsoft Windows 95 OSR2 (FAT16) - Notebook Manager	
Keyboard / # of keys	Full size alp/num / 85 keys (9			- (no diskette factory)	
Keyboard slope		mains flat (no sloop) / no liftup ke	eyboard	1. ÌBM Anti-Virus	
Pointing device Palm rest	TrackPoint® III / no drag lock	keys I keyboard support (no optional c	rahle)	IntelliQuest Registration Mailer	
Dimensions		nches) / 298 mm x 227 mm x 49		3. ThinkPad Customization Icon CD-ROMs included in shipping carton:	
Weight <sup>2</sup>	6.6 pounds (3.0 kg)	[6.6 pounds (3.0 kg)	7.1 lbs (3.2 kg)	- Application CD-ROM (includes	
Battery - life	3.0 hours	3.5 hours	3.0 hours	W95/W31/DOS device drivers,	
Charge time - on / off	3.5 to 10 hrs / 2.0 hrs / no non		10.0110010	preloaded applications)	
Battery - type		y unique to 310 / insert from righ	t side	- Windows 95 CD-ROM (no installation;	
Architecture	ISA (audio, diskette, serial, p.	arallel) / ALI <sup>®</sup> Aladdin III M1521	/M1523 chipset	includes Setup Boot Diskette)	
	PCI2.1/32-bit/33MHz(EIDE,g				
Dooking Station	NS PC87336VJG (diskette, s None	erial, parallel) / TI PCI1131 Car	dBus (PCI)		
Docking Station Port replicator	None				
PCMCIA™ slots		III / PCMCIA 2.1 compatible / PC	Card Standard 95		
		d Video support in lower slot			
Serial / parallel ports		E P1284-A, EPP, ECP, bidirection			
Other features	APM-aware RIOS / APM 1.2	g (45 watts) with barrel connecto / Selectable boot / Acer <sup>®</sup> BIOS	r (siim) /		
Video in/out	None	7 GELEGIADIC BOOL / TICCI BICC			
MPEG decoder	None				
Data/fax modem	None				
Audio support		MIDI FM synthesis / Yamaha Y	MF715		
A d' a . ' a . a l . a	Internal stereo speakers / .5 v		-1- (O. F)		
Audio jacks Telephone	None	tput jack (3.5 mm) / stereo mic ja	ick (3.5 mm)		
Infrared ports	None				
Security		assword (for Notebook Manage	r and BIOS Utility)/		
<del></del>	diskette and disk write protect	and disable / security keyhole /			
	electronic personalization			System does not have non-disruptive	
Preinstalled software	Microsoft® Windows® 95 with	applications (listed on right)		báttery exchange. Battery can be	
Limited warranty <sup>11</sup>	1 year - carry-in			changed while system is off, in	
BIOS Litility in antorna	thy holding E2 while the	OPTIONS		hibernation, or under AC power.	
ThinkPad logo is disp	d by holding F2 while the layed after power on.	OPTIONS		No suspend mode; has standby and	
20.09010 0100	- 2.	1GB disk, 13/14ms (user upgra		hibernation mode	
Fn + F1 = Hot key I	1019	2GB disk, 13/14ms (user upgra	deable) 05K8864 11J8639	FEATURES	
Fn + F2 = Brightne	00/001111401	MH Battery C Adapter, 3 prong without pow	er cord 11J8699	FEATURES	
Fn + arrows = $\overline{Adjust}$ Fn + F3 = $\overline{LCD/CR}$		SMB SO DIMM 3.3v NP EDO 64-bi	t, gold 11J8636	Plug and Play 1.0a	
Fn + F4 = Fuelgau	ge - 32	2MB SO DIMM 3.3v NP EDO 64-bi	t, gold 11J8637	Standby and hibernation modes Color LED indicator	
Fn + F5 = Audio vo	lume   - 10	OX CD-ROM w/ external FDD/ca	able 11J8676	ENERGY STAR compliant	
Fn + arrows = Adjust	. volulio	ealer installable only) )X-8X Portable CD-ROM	1969010	Personalized nameplate indention	
Fn + F6 = Power m Fn + F7 = Standby	ignit and by stormino	)X-8X Portable CD-ROM )X-8X Portable Stereo CD-ROM		International Warranty Service14	
Fn + F8 = Hibernat	ion   - P	CMCIA 33.6Kbps International [	Data/Fax 42H4319	IBM SystemXtra™	
Fn + Esc = Close Ho		CMCIA 33.6Kbps Modem w/ XJ		24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet	
				(www.ibm.com/pc/us) support	
				IBM and dealer warranty/service	
	•		All tradem		

### **TEM ThinkPad® 310E and 310ED (EMEA) - Spring 1998 - withdrawn**

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	310E	310E	310ED	
Processor type	12.1" Dual Scan SVGA color Pentium® MMX™ 166/66MHz¹	12.1" TFT SVGA color	12.1" Dual Scan S	SVGA color / CD-ROM
Processor upgrade	None			
Processor features	MMX technology / P55CLM / 6	4-bit to transfers to L2 cache	and memory	
L2 cache External FDD port	256KB / write-back / direct map			odel; or use if upgrade to CD-ROM)
Diskette drive	Internal 3.5" 1.44MB (on left sid			IMB (connect to rear)
CD-ROM drive	None (dealer upgrade available		20X-8X5 x CD-R	OM / bootable (left side) / CAV
Price Type - model Preload (see side)	2600-A00 Windows 95 OSR2	2600-C00	2600-B00	
Avail / withdrawn date Disk - size / ms	March 1998 / September 1998 <b>2.1GB</b> <sup>4</sup> / 13ms read; 14ms writ	e / PIO Mode 4 / SMART		
Disk - Size / IIIS Disk controller	EIDE / busmaster / PCI 2.1 / su			
Display - size and type	12.1" Dual Scan SVGA color	<u> </u>	12.1" Dual Scan	SVGA color
Display - techology	12.1" SVGA color / 640 x 480 c 256 simultaneous colors / Dua	or 800 x 600		640 x 480 or 800 x 600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio
Graphics - controller Graphics - memory Graph - arch/data path Gaphics - features Graphics - external	C&T™ 65550 HiQV32™ / 64-bit \ 1MB EDO DRAM / 70ns PCI 2.1 / interpolation / color sp Simultaneous LCD and CRT / 1 External SVGA to 1024 x 768 w	ace conversion 80 degree tilt / Zoomed Video	support	
Memory - std / max	<b>16MB</b> / 64MB		<b>32MB</b> / 64MB	WINDOWS 95 PRELOAD16
Memory - implement Memory - features Memory - upgrade	One 16MB SO-DIMM is installe 60ns / non-parity / 3.3 volt / EDO 1 socket available for two JEDO	O / memory installed from bott	om of system 16 or 32MB	<ul><li>Microsoft Windows 95 OSR2 (FAT16)</li><li>Internet Explorer 4.0</li></ul>
Keyboard / # of keys	Full size alp/num / 85 keys (9 F	n key functions)		<ul> <li>Notebook Manager</li> <li>(no diskette factory)</li> </ul>
Keyboard slope	Large palm rest / keyboard rem	ains flat (no sloop) / no liftup k	eyboard	1. IBM Anti-Virus
Pointing device Palm rest	TrackPoint® III / no drag lock ke Integrated palm rest / external k		cable)	IntelliQuest Registration Mailer
Dimensions Weight <sup>2</sup>	11.7 x 8.9 x 2.0" (208 cubic inc 6.6 pounds (3.0 kg)	, ,, ,	,	ThinkPad Customization Icon     CD-ROMs included in shipping carton:     Application CD-ROM (includes)
Battery - life	3.0 hours	2.8 hours	3.0 hours	W95/W31/DOS device drivers,
Charge time - on / off Battery - type	3.5 to 10 hrs / 2.0 hrs / no non-c NiMH / non-intelligent / battery	lisruptive battery exchange		preloaded applications) - Windows 95 CD-ROM (no installation;
Architecture	ISA (audio, diskette, serial, par	allel) / ALI <sup>®</sup> Aladdin III M1521	/M1523 chipset	includes Setup Boot Diskette)
	PCI 2.1 / 32-bit / 33 Mhz (EIDE	, graphics, PCMCIA)		
Docking Station	NS PC87336VJG (diskette, sel	rial, parallel) / 11 PCI1131 Car	dBus (PCI)	
Port replicator	None			
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type II	/ PCMCIA 2.1 compatible / PC	Card Standard 95	
Serial / parallel ports	CardBus 32-bit PCI / Zoomed One 9 pin; 16550A / one (IEEE	Video support in lower slot P1284-A EDD ECD bidirection	anal)	
Other features	Universal AC Adapter 3 prong (APM-aware BIOS / APM 1.2 / 3	45 watts) with barrel connector	or (slim) /	
Video in/out	None None	Sciedasie Scot / Acci Bioc		
MPEG decoder	None			
Data/fax modem	None	DIEM		
Audio support	16-bit audio chip / 18 voice Mi Internal stereo speakers / .5 wa		MF/15	
Audio jacks	Input jack (3.5 mm) / stereo outp		ack (3.5 mm)	
Telephone	None	, , , , , ,	,	
Infrared ports	None	1// 1/	101001111111	
Security	Power-on password / Setup pas diskette and disk write protect a electronic personalization	ssword (for Notebook Manage and disable / security keyhole /	r and BIOS Utility)/	System does not have non-disruptive
Preinstalled software Limited warranty <sup>11</sup>	Microsoft® Windows® 95 with ap 1 year - carry-in	oplications (listed on right)		battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.
BIOS Utility is entered ThinkPad logo is displ	by holding F2 while the layed after power on.	OPTIONS	looblo) 44 19642	No suspend mode; has standby and hibernation mode
	- 2.10	GB disk 13/14ms (user upgrad GB disk 13/14ms (user upgrad		
Fn + F1 = Hot key I Fn + F2 = Brightne	- NiM	IH Battery	11J8639	FEATURES
Fn + arrows = Adjust	brightness/contrast	Adapter, 3 prong without pow IB SO DIMM 3.3v NP EDO 64-bi	er cord 11J8699 t, gold 11J8636	Plug and Play 1.0a Standby and hibernation modes
Fn + F3 = LCD/CR	1/Ollfluitarieous	1B SO DIMM 3.3v NP EDO 64-bi		Color LÉD indicator
Fn + F4 = Fuelgau   Fn + F5 = Audiovo	lume - 10X	ENERGY STAR compliant		
Fn + arrows = Adjust	volume	Personalized nameplate indention		
Fn + F6 = Powerm	igmt and system info	(-8X CD-ROM w/ external FDI dealer installable only)	D/cable 05K8867	International Warranty Service¹⁴ IBM SystemXtra™
Fn + F7 = Standby Fn + F8 = Hibernati	ion - 20×	(-8X Portable CD-RÓM	1969010	24 hour / 7 day telephone, bulletin
Fn + Esc = Close Ho	ot key icon   - 20X	(-8XPortable Stereo CD-ROM		board, fax, electronic, and Internet
	,  - PCI	MCIA 33.6Kbps International I MCIA 33.6Kbps Modem w/ XJ	ACK 55H6759	(www.ibm.com/pc/us) support IBM and dealer warranty/service
			30110100	and doubt mananty/out vide
	ı			arks are the property of their respective owners

### ThinkPad® 310ED (Retail models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≈ 310ED		× 310ED			
Processor type Processor upgrade Processor features L2 cache External FDD port Diskette drive CD-ROM drive	256KB / write-back / dir External FDD port (work External 3.5" 1.44MB (c	CLM / 64-bit to transect mapped / 7ns / ks with standard exconnect to rear)	Pentium MMX 166/66MHz sfers to L2 cache and memory sychronous pipelined burst tternal diskette on CD-ROM-based m 20X-8X5 CD-ROM / bootable (left sid	,		
Price Type - model UPC code Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2600-50U 087944375975 Windows 95 OSR2 November 1997 / May 19 1.6GB <sup>4</sup> / 13ms/14ms / F	087944375975 087944395997				
Display - size and type	12.1" Dual Scan SVGA	color				
Display - techology	12.1" SVGA color / 640 256 simultaneous color					
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	C&T™ 65550 HiQV32™ / PCI 2.1 / interpolation / c	/64-bit SVGA accel color space convers CRT / 180 degree t	erator / 1MB EDO DRAM / 70ns sion ilt / Zoomed Video support			
Memory - std / max Memory - features Memory - upgrade		olt / EDO / memory	32MB / 64MB / one SO-DIMM used installed from bottom of system O SO-DIMM of 8, 16, or 32MB	WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2 (FAT16)		
Keyboard / # of keys Keyboard slope Pointing device Palm rest	Full size alp/num / 85 ke	ys (9 Fn key function ard remains flat (no lock keys	ons) sloop) / no liftup keyboard	- Internet Explorer 4.0 - AOL, AT&T WorldNet, CompuServ - Media Player - ActiveMovie (MPEG-1, AVI) - Video for Windows		
Dimensions	11.7 x 8.9 x 2.0" (208 cu			- CD Audio Player		
Weight <sup>2</sup> Battery - life Charge time - on / off Battery - type	7.1 lbs (3.2 kg) 3.0 hours 3.5 to 10 hrs / 2.0 hrs / n NiMH / non-intelligent / b	o non-disruptive ba		- MIDI Sequencer  1. Lotus® SmartSuite 97 - WordPro Work Processor - 1-2-3 Spreadsheet - Freelance Graphics		
Architecture  Docking Station Port replicator PCMCIA™ slots  Serial / parallel ports Other features	PCI 2.1 / 32-bit / 33MHz NS PC87336VJG (diske None None 2 Type I or 2 Type II or 1 CardBus 32-bit PCI / Zc One 9 pin; 16550A / one	z (EIDE, graphics, I ette, serial, parallel Type III / PCMCIA z comed Video supp (IEEE P1284-A, E prong (45 watts) wi	) / TI PCI1131 CardBus (PCI)  2.1 compatible / PC Card Standard 95  ort in lower slot PP, ECP, bidirectional) ith barrel connector (slim) /	- Approach Database - Organizer Scheduler - ScreenCam 2. IBM Anti-Virus 3. PointCast (with ThinkPad Channel) 4. ThinkPad Customization Icon 5. Notebook Manager 6. Ergonomics 7. IntelliQuest Registration Mailer 8. Password Protected Marketing Demo		
Video in/out Data/fax modem Audio support Audio jacks	Internal stereo speakers Input jack (3.5 mm) / ster	: / .5 watt / Fn key v	56Kbps PC Card modem  ActionTec® DataLink / K56flex™  hesis / Yamaha YMF715  olume control  mm) / stereo mic jack (3.5 mm)	9. PhoenixCard Manager - (no diskette factory) CD-ROMs included in shipping carton: - Application CD-ROM (includes Lotus SmartSuite 97, W95/W31/DOS device drivers, preloaded applications)		
Telephone Infrared ports	None None			- Windows 95 CD-ROM (no installation; includes Setup Boot Diskette)		
Security		rotect and disable /	Notebook Manager and BIOS Utility)/ 'security keyhole /	, ,		
Preinstalled software Limited warranty <sup>11</sup>	Microsoft® Windows® 95 1 year - carry-in	with applications (	listed on right)	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.		
BIOS Utility is entered ThinkPad logo is disp	d by holding F2 while the layed after power on.	- 2 1GB diek 13/	OPTIONS 14ms (user upgradeable) 11J8643	No suspend mode; has standby and		
Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + arrows = Adjust volume Fn + arrows = Adjust volume Fn + arrows = F		<ul> <li>3.2GB disk 12n</li> <li>NiMH Battery</li> <li>AC Adapter, 3  </li> <li>16MB SO DIMM</li> <li>32MB SO DIMM</li> <li>PCMCIA 33.6K</li> </ul>	ns (user upgradeable) 05K8864 11J8639 prong, US pwr cord, 45 wa 11J8702 M 3.3v NP EDO 64-bit, gold 11J8636 M 3.3v NP EDO 64-bit, gold 11J8637 bps International Data/Fax 42H4319 bps Modem w/ XJACK 55H6759	FEATURES  Plug and Play 1.0a Standby and hibernation modes Color LED indicator ENERGY STAR compliant Personalized nameplate indention Year 2000 ready International Warranty Service <sup>14</sup> 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service		

### IBM ThinkPad 345 (non-US) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	→ 345CS  dual scan color	<b>345C</b> TFT color			ad 345 is a fast, lightweight, full function, dual scan color notebook at a very
Processor type Processor speed Memory cache Coprocessor socket Processor / L2 upgrade Diskette drive Removable CD-ROM	IntelDX4 75/25 MHz / 3.3 volt 16 KB internal (no L2 cad Integrated in DX4 None 3.5" 1.44 MB (not remova None	,	1	attractiv  ⇒ Entr  ⇒ Larg  ⇒ Fast  ⇒ Ligh	ve price point y priced ThinkPad ge color 10.4" dual scan or TFT display IntelDX4 75/25 MHz Itweight (5.2 or 5.5 pounds) kPoint III
Price Type - model IDE disk - size Hard drive - speed Avail / withdrawn date	\$ 2610-EYF 2610-EYF 360 MB 13 ms 13 ms Sep 1995 / Jan 1996	\$ 2610-FYF <b>360 MB</b> 13 ms Sep 1995 / Apr	\$ 2610-FYG <b>540 MB</b> 13 ms 1996		
Display - type Display - colors Display - techology Display - diagonal size Display - contrast ratio 180 degree display tilt	VGA color / 640 x 480 256 simultaneous colors Dual Scan - passive matr 10.4 inch 20 to 1 Yes	VGA color / 64 256 simultaneo Black Matrix TI 10.4 inch 100 to 1 Yes			
Graphics - controller Graphics - vendor Graph - arch/data path	WD90C24A Rev C with 1 Western Digital / External VL-Bus local bus / 32 bit /	SVGA to 1024 x 768		to 60 Hz	)
Memory - std / max Mem - sockets empty Mem - options available	, ,		Memory upgraded 1 open socket for l memory card for 2	IC DRAI	
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 key 7 (in any appl) None TrackPoint III™ (no drag Yes (with optional cable)				PREINSTALLED APPLICATIONS - IBM PC DOS 7.0
Dimensions Cubic inches Color Weight (with battery)	11.7 x 8.3 x 1.9" 184 inches Black 5.2 pounds	11.7 x 8.3 x 2.0" 194 inches Black 5.5 pounds			- Windows 3.11 - IBM PC Card Director for PCMCIA - IBM ThinkPad Demo - ThinkPad features; Diskette Factory 1. Lotus® cc:Mail, for the IBM Global®
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (NiMH) / no 2.5 to 5 hours 2 hrs / 1.5 hr	n-intelligent	Fn key functions: - Fuel guage (batter) - Standby mode	ery)	network, 2. Lotus Organizer 1.12 3. Lotus ScreenCam 1.0,
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	AT bus (ISA) None None 1 Type I or 1 Type II or 1 Yes (one 9 pin) 16550A/		- Suspend mode - Audio volume - LCD or CRT or b - Power managem - Hibernation mod	nent mod	4. Triton CoSession™ Host, 5. PRODIGY®, 6. SofNet FaxWorks™ 3.0 7. AlphaNet™ FollowFax™ 8. Sedona REPRINT™ 9. Video for Windows™ 1.1 Runtime
Other features Audio support Security	APM-aware BIOS / Selectable boot AC adapter, 35 watts, worldwide, 3 pin, not wallmount Audio beep only Power-on password Locking device keyhole (Kensington™ MicroSaver™ cablelock)				9. Video for Windows 1.1 Runtime
Preinstalled software Warranty Warranty options	IBM DOS 7.0, Windows™ 1 year - ThinkPad EasyS None		ted to right:		
The ThinkPad 345 fam	ilv has the same	Options for 345:			FEATURES OF 345 FAMILY

The ThinkPad 345 family has the same
physical design as the ThinkPad 340

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- automatic config of many PCMCIA cards;
- visual/audible confirmation of insertion/ removal of cards;
- ability to automatically launch an appl (e.g. async emulation) when card inserted;
- status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

Hard disk and diskette drive are not removable. Keyboard does not lift up.

- 4 MB IC DRAM 70 ns Parity 8 MB IC DRAM 70 ns Parity 92G7232 92G7233
- 6 MB IC DRAM 70 ns Parity 92G7233 4 MB IC DRAM 70 ns non-Parity 92G7236 8 MB IC DRAM 70 ns non-Parity 92G7237 16 MB IC DRAM 70 ns non-Parity 92G7424
- NiMH Battery Pack (Worldwide) 85G7637 NIMH Battery Pack (Worldwide) 85G7637 NiMH Battery Pack (Japan) 95G7638 NiMH Battery Pack (EMEA) 85G7605 35 watt AC Adapter (Worldwide) 85G6680 35 watt AC Adapter (Japan) 85G6682 35 watt AC Adapter (EMEA) 85G6683

IC DRAM parity memory from the above options will work but without parity

#### FEATURES OF 345 FAMILY

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).  $\square$  = Upgradeable;  $\bigcirc$  = Removable;  $\Rightarrow$  = Withdrawn from marketing

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (345) Compiled by Roger Dodson, IBM. May 1996

#### III ThinkPad 350, 350C, 500, 510Cs - withdrawn

IBM® ThinkPad®:	<b>≈350</b>	≈350C	<b>≈500</b>	≈510Cs	
	monochrome	passive color	sub-notebook	color sub-notebook	
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	All: 25 MHz All: 8 KB internal (no L2) All: No		80486 SLC2 50/25 MHz 16 KB internal (no L2) No External 3.5" 1.44 MB	Blue Lightning 486BL2-50 50/25 MHz 16 KB internal (no L2 cache) No External 3.5" 1.44 MB (9 oz.)	
Price (retail USD) Type - model Hard drive - size Hard drive - speed Avail / withdrawal date	\$1,499 2618-J0A 125 MB 15 ms June 93 / withd Sep 94	\$1,599 \( \) \$1,999 \( \) 2618-N0A 2618-P0A 250 MB 15 ms 12 ms June 93 / withd Sep 94	\$ 799 \( \) \$ 999 \( \) 2603-08N 2603-17N 85 MB 170 MB 15 ms Dec 93 / withd Jan 95	\$1,799 \( \) Fn+F2 = Fuelguage 2604-C2U Fn+F3 = Setup 200 MB Fn+F4 = Suspend 17 ms Fn+F5 = Speaker June 94 / w May 95 Fn+F6 = Sysrequest	
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	VGA mono 64 grey scales STN LCD - Backlit 9.5 inch 18 to 1 Yes (external SVGA)	VGA color 256 colors 640 x 480 STN - passive matrix LCD - Backlit 9.2 inch 13 to 1; Single scan Yes (external SVGA)	VGA mono 64 grey scales STN LCD - backlit 7.24 inch 18 to 1 Yes (external SVGA)	VGA color $Fn+F7 = CRT/LCD$ 256 colors 640 x 480 $Fn+F8 = Rev$ video STN - passive matrix $Fn+F9 = Num Lock$ LCD - backlit $Fn+F10 = Scroll Lock$ 7.7 inch $Fn+F11 = Print Scro$ 14 to 1; Single scan $Fn+F12 = Hibernation$ Yes (external SVGA)	
Graphics - controller Graphics - vendor Graphics - arch/data path	All: Chips & Tecnologie	GA is ISO capable (75Hz) es, Inc. Peripheral Interface	WD90C26 Western Digital ISA 16 bit	WD90C24A2 / 1 MB video mem Western Digital VL-Bus / VESA 32 bit local bus	
Memory - std / max Mem - sockets empty Mem - options available	All: 4/20 MB 80 ns All: 1 socket (non-par All: 4, 8, 16 MB SIMMs		4 / 12 MB 80 ns 1 socket (non-parity) 4, 8 MB ICs (3.3 volt)	4 / 20 MB 80 ns 1 socket (non-parity) 4, 8, 16 MB ICs (3.3 volt)	
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	All: Full size alp/num/85 All: 2 (in any appl) All: Yes (back panel) All: TrackPoint II™ Fn+F2= Reverse video All: Yes (with opt cable) Fn+F3= Contrast text		90% size alp/num/ 81 11 (in any appl) No TrackPoint II No	90% size alp/num/ 81 15 (in any appl) No TrackPoint II Yes (on MultiPort)	
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.7 x 8.3 x 1.9" 184 inches Many options Black 5.2 pounds	11.7 x 8.3 x 2.0" 194 inches Many options Black 5.8 pounds	10.1 x 7.2 x 1.6" 116 inches Many options Black 3.4 pounds / 3.7 (170M)	10.1 x 7.2 x 1.7" 124 inches Many options Black 4.0 pounds $Fn+Q = Inc \ brightness$ $Fn+A = Dec \ brightness$ $Fn+W = Inc \ contrast$ $Fn+S = Dec \ contrast$	
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (NiMH) 2.7 to 9 hours 2 hrs / 1 hr	Nickel hydride (NiMH) 2 to 7.5 hours 2 hrs / 1 hr	Nickel hydride (NiMH) 3.5 to 9 hours 3 hrs / 1.5 hrs	Nickel hydride (NiMH) 2.5 to 8 hours 2.5 hrs / 1.5 hrs  Enter Setup by CTRL+ALT+F3 from DOS prompt	
Architecture Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Visible LEDs - closed Serial / parallel ports	All: AT bus (ISA) All: No All: No All: Modemonly All: 1 Type I or 1 Type II All: Yes All: Yes / Yes		AT bus (ISA) No (withdrawn 500 No had sealed lead No acid battery) 1 Type I or 1 Type II Yes Yes (cable) / Yes (EPP)	AT bus (ISA) No Yes (MultiPort ships standard) No 1 Type I or 1 Type II Yes Yes (MultiPort) / Yes (EPP)	
APM-aware BIOS Other features	All: APM-aware BIOS	oter	APM-aware BIOS	APM-aware BIOS Microsaver™ security connector	
Preinstalled software	All: Wallmount AC adapter  All: Personalized nameplate in indentation  All: Coupon book with \$4,000 in savings  All: IBM DOS 5.02, PRODIGY®		Hibernation mode Personalized nameplate Coupon book w/ sav IBM DOS 6.1,PRODIGY After July 1 only on 17N: see below	Hibernation mode Personalized nameplate in indentation Personal greeting screen at startup IBM DOS 6.3, Windows 3.1, Demo, and 8 appls listed below	
Warranty	All: 1 year - carry in or	EasyServ (opt onsite)	1 year - carry in or EasyServ (opt onsite)	1 year - carry in or EasyServ (optional onsite for \$40 a year)	

#### FEATURES OF 500 and 510Cs

500: External cable has 2 connectors for serial port and external diskette drive510: External cable has 1 connector for external diskette drive (serial port on

MultiPort).

MultiPort: A port replicate

**MultiPort:** A port replicator with connectors for diskette drive, external display, mouse/ keyboard, and serial device (ships with 510Cs). Plugs into 160 pin connector on back.

3 power saving modes: doze, suspend, hibernation

Batteries in 500 and 510Cs are NOT compatible

## SOFTWARE PREINSTALLED ON 500-17N (after July 1, 1994) and 510Cs

IBM DOS 6.3, Windows 3.1, Demo, and 8 appls:

① Lotus cc:Mail, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk 1.0, ⑤ Triton CoSession Host, ⑥ PRODIGY, ⑦ America Online.

® SofNet FaxWorks 3.0

EasyPlaying (PC Card Director™) is preloaded and on the utility diskette for DOS, Windows and OS/2; it provides status and info on PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards and execute them automatically. Auto Configurator and Memory Device Driver enables supported PCMCIA cards by sensing them automatically (so do not need to install their device drivers).

#### **FEATURES OF ALL PRODUCTS**

Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International travelers warranty IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227

ThinkPad 500 memory (4, 8 MB IC 3.3 volt) is compatible with ThinkPad 510Cs.

ThinkPad 510Cs MultiPort is NOT compatible with ThinkPad 500.

#### **運** ThinkPad 355 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	355 monochrome	355Cs dual scan co	olor	355C TFT cold	or	
Processor type Processor speed Memory cache Coprocessor socket Removable diskette	All: 80486 SX (no math co All: 33MHz 3.3 volt (SL E All: 8KB internal (no L2 ca All: No All: 3.5" 1.44MB O	processor) nhanced)	501	11 1 6016	,,	ALL 355 MODELS Liftable (pop-up) keyboards
Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date	\$1,899 2619-115 <b>125MB 1</b> 15ms <b>1</b> June 94	\$2,599 2619-K20 <b>170MB</b> 15ms O June 94	2619-K20			and remove: ① diskette drive ② disk ③ battery ④ memory
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt Graphics - controller	VGA mono 64 grey scales 640 x 480 STN LCD - Backlit 9.5 inch 18 to 1 Yes  All: WD90C24A2 with 1ME	VGA color 256 colors 6 STN - passi LCD - Backl 9.5 inch Du 20 to 1 Yes	ve matrix lit ual scan	TFT - ac LCD - Ba 8.4 inch 100 to 1 Yes	rs 640 x 480 <b>tive matrix</b> acklit	
Graphics - vendor Graph - arch/data path Memory - std / max Mem - sockets empty	All: Western Digital / Exter All: VL-Bus / 32-bit VESA I All: 4 / 20MB 70ns All: 1 socket (non-parity) All: 4, 8, 16MB ICs (5.0 vo	nal SVGA to 1024 local bus / Simulta	Ix768 with 256 color aneous LCD and CR	rs RT	reduce weight, @ (CDPD), @ (3550 (on screen TV/VC other third party o	n be removed ⊕ to to to insert cellular modem Conly) to insert TV Tuner CR playback), or ⊕ to adoptions.
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	All: Full size alp/num/ 85 All: 10 (in any appl) All: Yes (legs pop out) All: TrackPoint II™ All: Yes (with optional cabl	,	Fn + F3 = Fn + F4 = Fn + F5 = Fn + F6 =	Fuel guage Standby Suspend Audio off/ Audio on/	Fn + F8 = Fn + F9 = down Fn + F11 = up Fn + F12 =	Ext display/LCD Reverse video (mono) Hi-intensity text (mono) Power mgmt Hibernation mode
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.7 x 8.3 x 1.7" 165 inches Many options Black 5.6 pounds	11.7 x 8.3 x 194 inches Many option Black 6.2 pounds		11.7 x 8. 185 inch Many op Black 6.1 poun	es tions	
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride 4.6 to 10 hours 2 hrs / 1.5 hr	Nickel hydrid 3 to 7 hours 2 hrs / 1.5 h		Nickel hy 3.5 to 7 h 2 hrs / 1.	/dride nours	
Architecture Docking Station Port replicator Data/fax modem PCMCIA 2.01 slots Serial / parallel ports	All: AT bus (ISA) All: No All: No All: 2400 data / 4800 recei All: 1 Type I or 1 Type II o All: Yes (one 9 pin) / Yes		d fax	: : :	and 755) is optional. T is lower cost, easy to o switch control is requi	standard in ThinkPad 75 The ThinkPad 355 batter use because no storage- ired, and shows % of pared to hours of remainin
Other features Security	All: APM-aware BIOS / Se All: Wallmount AC adapter All: Hibernation mode sa All: Power-on password / h	without powercon ves memory to dis	sk and shuts off syst	tem		otional Security Base
Preinstalled software	All: MS DOS 6.21, Window ① Works for Windows, ③ ThinkPad Index, ④ C	② ThinkPad Fitne Official Airline Guid	ess, de Flight Disk® 1.0,			,
Warranty	<ul><li>⑤ Triton CoSessions™</li><li>All: 1 year - carry in to reta</li></ul>				ofNet FaxWorks™ 3.0	)
755.  EasyPlaying (PC Card preinstalled and on the Windows and OS/2; it on PCMCIA cards insta	ThinkPad 360, 750, and  Director™) is utility diskette for DOS, provides status and info alled. In Windows and	amily: - Hard disks (170, - 1.44MB diskette - CDPD Mobile Co - Keyboard/mouse - 355 battery does	ommunications Mod	MB) lule ad 750/	3 power saving mode and hibernation Personalized namep External VGA is ISO Upgradeable disks: 1 540MB, 810MB (al Battery life indicator	170MB, 250MB, 340MB, I 2.5 inch)
and execute them auto Configurator and Mem- enables supported PCI them automatically (so their device drivers). T ThinkPads 355, 360, 5 Easy-Setup is entered	matically. Auto ory Device Driver MCIA cards by sensing do not need to install his utility ships with 10Cs, and 755 family. by holding F1 when	AC Adapter  Memory from Thin s NOT compatible C Memory from T and 755 will work I ThinkPad 750 and compatible ONLY	hinkPad 700, 720, 7 but without parity.		Non-disruptive batte US EPA Energy Star IBM or retailer warr 30 day money back 24 hour / 7 day fax 24 hour / 7 day bull 24 hour / 7 day tele 1-800-772-2227	r compliant anty/service guarantee support etin board support
	o, BIOS, and diagnostics	TV tuner	m min adobbe.			

IBM® ThinkPad®:	<b>≈ 360</b>	≈360Cs	×360C	≈ 360P	★ Traveling Multimedia	
	monochrome	dual scan color	TFT color	color pen	preconfigured system	
Processor type Processor speed Memory cache Coprocessor socket Removable diskette	All: 80486 SX (no math All: 33 MHz 3.3 volt (S All: 8 KB internal (no L: All: No All: 3.5" 1.44 MB O	L Ėnhanced) <sup>°</sup> 2 cache) <i>The remove</i> <i>optional 'FD</i>	d diskette drive can be u D External Kit' (includes Port Replicator Model I a	cable and enclosure;	A preconfigured, multimedia 360Cs; Available June 94; Withdrawn May 1995 Part #2337290	
Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date Display - type Display - grey scales Display - techology	VGA mono 64 grey scales 640x480 STN	\$2,349 \$2,749 2620-20F 340 MB 15 ms 14 ms May 94 / withd Dec 95 VGA color 256 colors 640 x 480 STN - passive matrix	\$ 2,299 \( \) 2620-30D \( \) 2620-30F \( \) 170 MB \( \) 340 MB \( \) 15 ms \( \) June 94 / withd Dec 95 \( \) VGA color \( \) 256 colors 640 x 480 \( \) TFT - active matrix	\$2,899 \$3,399 2620-50D 2620-50F 170 MB 340 MB 15 ms 14 ms 5 June 94 / withd Dec 95 VGA color 256 colors 640 x 480 STN - passive matrix	\$5,299 Included with the IBM Traveling Multimedia: Hardware: - 360Cs (all features listed on left) - 16 bit Mwave® audio chip on adapter card	
Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	LCD - Backlit 9.5 inch 18 to 1 Yes	LCD - Backlit 9.5 inch <b>Dual scan</b> 20 to 1 Yes	LCD - Backlit 8.4 inch 100 to 1 Yes	LCD - Backlit 9.5 inch <b>Dual scan</b> 18 to 1 Yes	- Stereo in/out jacks - 340 MB removable hard disk - 8 MB memory (4 MB	
Graphics - controller Graphics - vendor Graph - arch/data path	All: WD90C24A2 with 1 All: Western Digital / Ex All: VL-Bus / 32 bit VES	ternal SVGA to 1024 x	768 with 256 colors	Incudes untethered stylus to write on pen-enabled screen	std + 4 MB IĆ DRAM) - 14.4 Data/Fax modem (PCMCIA)	
Memory - std / max Mem - sockets empty Mem - options available	All: 4 / 20 MB 70 ns All: 1 socket (non-pari All: 4, 8, 16 MB ICs (5.0	All: 4 / 20 MB 70 ns  Diskette drive can be removed ① to reduce weight, ② to insert  All: 1 socket (non-parity)  cellular modem (CDPD), ③ (360C only) to insert TV Tuner (on  All: 4, 8, 16 MB ICs (5.0 volts)  screen TV/VCR playback), or ④ to add other third party options.				
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	All: Full size alp/num/8 All: 10 (in any appl) All: Yes (legs pop out) All: TrackPoint II™ All: Yes (with optional c	All: Yes (legs pop out) Fn + F4 = Suspend Fn + F9 = Hi-intensity text (mono) Fn + F5 = Audio off/down Fn + F11 = Power mgmt				
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.7 x 8.3 x 1.7" 165 inches Many options Black 5.6 pounds	11.7 x 8.3 x 2.0" 194 inches Many options Black 6.2 pounds	11.7 x 8.3 x 1.9" 185 inches Many options Black 6.1 pounds	11.7 x 8.3 x 2.1" 204 inches Many options Black 6.8 pounds	Software:  - Asymetrix® COMPEL™   (on screen multimedia   presentations)  - Asymetrix MediaBlitz!™   (library of media clips)	
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride 4.6 to 10 hours 2 hrs / 1.5 hr	Nickel hydride 3 to 7 hours 2 hrs / 1.5 hr	Nickel hydride 3.5 to 7 hours 2 hrs / 1.5 hr	Nickel hydride 3.3 to 7 hours 2 hrs / 1.5 hr	- LapLink® V - Picture Factory™ - TalkWorks™	
Architecture Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Serial / parallel ports	All: AT bus (ISA) All: Yes (Dock I and II; s All: Yes (Port Replicato All: No All: 2 Type I or 2 Type All: Yes (one 9 pin) / Yes	r I and II) II or 1 Type III es (EPP)	An intelligent battery (sta and 755) is optional. Th is lower cost, easy to us switch control is require remaining power (compa- power).	e ThinkPad 360 battery e because no storage- d, and shows % of	- Sound Effects Library™ - ClickART™ 2000 ALL 360 MODELS Liftable (pop-up) keyboard to access and remove diskette	
Other features	All: APM-aware BIOS / All: Wallmount AC adap All: Hibernation mode	drive, disk, battery, and memory				
Preinstalled software  Warranty	Security  All: Power-on password / Hard disk pássword / Hardware security loop / PCMCIA card lock / Optional Security Base  Preinstalled software  All: IBM DOS 6.3, Windows 3.1, Demo, and 8 applications:  ① Lotus® cc:Mail, e-mail for Advantis® network, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk® 1.0, ⑤ Triton CoSessions™ Host, ⑥ PRODIGY®, ⑦ America Online™, ⑧ SofNet FaxWorks™ 3.0					
The ThinkPad 360 fami		Compatible in all 360		FEATURES OF 360	FAMIL V	

The ThinkPad 360 family has the same physical design as the ThinkPad 750 and 755.

EasyPlaying (PC Card Director™) is preinstalled and on the utility diskette for DOS, Windows and OS/2; it provides status and info on PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards and execute them automatically. Auto Configurator and Memory Device Driver enables supported PCMCIA cards by sensing them automatically (so do not need to install their device drivers). This utility ships with ThinkPads 360, 510Cs, and 755 family.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in Flash memory.

- Hard disks (170, 250, 340, 540, 810 MB)
- 1.44 MB diskette drive
- Dock I and Dock II
- Port Replicator I and Port Replicator II
- CDPD Mobile Module (not pen models)
- FDD (diskette) External Attachment kit
- Keyboard/mouse connector
- 360 battery does not work in ThinkPad 750/ 755, but 750/755 battery will work in 360
- Quick Charger
- AC Adapter

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC Memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

ThinkPad 750 and 755 options compatible ONLY in ThinkPad 360C:
- TV tuner and AD card

#### **FEATURES OF 360 FAMILY**

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB,

540 MB, 810 MB (all 2.5 inch)

Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

International travelers warranty IBM or dealer warranty/service

30 day money back guarantee

24 hour / 7 day fax support 24 hour / 7 day bulletin board support

24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227

Winstone 94 for 360C = 26.4

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

STN = Super twisted nematic; □ = Upgradeable; ○ = Removable

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (360THINK) Compiled by Roger Dodson, IBM. December 1995

#### III ThinkPad 360CSE / CE - withdrawn

IBM® ThinkPad®:	≈ 360CSE						The 360CSE / CE is the same as the 360 (older models) except:				
Processor type							3	6 <b>0</b>	o (olaci illoac	360CSE / CE	
Processor speed Memory cache Coprocessor socket Removable diskette Removable CD-ROM	50/25 MHz 3.3 volt (SL Enhanced) 8 KB internal (no L2 cache) Integrated in 486DX2 3.5" 1.44 MB  / supports internal 2.88 MB diskette None  Mono, Dua 486SX - 33 No math cc 170, 340 M						l scan 3 MHz op pos	sible	Dual scan, TFT 486DX2 - 50/25 MHz Integrated math cop 170, 340, 540 MB std More preloaded appls		
Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date	\$2,399 \( \) \$2,699 \( \) 2620-80F 2620-80G 770 MB \( \) 14 ms \( \) 14 ms \( \) 14 ms \( \) 14 ms \( \) Oct 94 / withdrawn Dec 95 \( \) \$3,049 \( \) 2620-90F 2620-90F 2620-90F 2620-90F 14 ms \( \) 14 ms \( \) Oct 94 / withdrawn Dec 95 \( \) \$3,049 \( \) 2620-90F							90G <b>B</b> □	Liftable () access a	L 360 MODELS bop-up) keyboard to nd remove diskette k, battery, and	
Display - type Display - colors Display - techology Display - size (diag) Display - contrast ratio 180 degree display tilt	9.5 inch 20 to 1 Yes	eous colors passive matrix		VGA color / 256 simultan TFT - active 8.4 inch 100 to 1 Yes	eous colo			The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure; \$135) to the Port Replicator Model I and II and Dock I and II.			
Graphics - controller Graphics - vendor Graph - arch/data path	Western Dig VL-Bus local	bus / 32 bit / 9	SVGA to 1024 x Simultaneous LC		colors (up	o to 7	'5 Hz)	① to	ette drive can reduce weig insert cellula		
Memory - std / max Mem - sockets empty Mem - options available	4 MB / 20 MB 70 ns / non-parity / 5.0 volt 1 socket 3 to insert TV Tuner (for on screen T and VCR playback)						ner (for on screen TV back) //B diskette				
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 keys 8 (in any appl) Yes (legs pop out) TrackPoint II™ Yes (with optional cable)							to add other third party options  PREINSTALLED APPLICATIONS  - IBM PC DOS 6.3  - Windows 3.11			
Dimensions Cubic inches Color Weight (with battery)	11.7 x 8.3 x 2 194 inches Black 6.2 pounds	2.0"		11.7 x 8.3 x 185 inches Black 6.1 pounds	1.9"			- IE - IE - C		Guide	
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydrid 2.9 to 7 hours 2 hrs / 1.5 hr	s ` ′		Nickel hydric 3.2 to 7 hour 2 hrs / 1.5 hr	s ` ´			1. L n 2. L	otus <sup>w</sup> cc:Mai etwork, otus Organiz	l, e-mail for Advantis <sup>®</sup> er 1.12,	
Architecture Docking Station Port replicator Modem/serial slot PCMCIA™ 2.1 slots Serial / parallel ports	AT bus (ISA)  Dock I and II  Port Replicator I and II  No  2 Type I or 2 Type II or 1 Type III  You can 0 pin 1655 PR (More (ERR))  8 S							Lotus ScreenCam 1.0, Official Airline Guide Flight Disk® 1.0, Triton CoSession™ Host, PRODIGY®, America OnlineSM, SofNet FaxWorks™ 3.0			
Other features Security	APM-aware BIOS / Selectable boot Some models will have Wallmount AC adapter without powercord with retractable prongs, 30 watts Hibernation mode saves memory to disk and shuts off system Power-on password / Hard disk password / Hardware security loop / PCMCIA card lock / Optional Security Base							10. S 11. F 12. A 13. S 14. C	econd Nature arallon <sup>®</sup> Rep IphaNet™ Fo edona REPR COMPEL™ Pe	llowFax™	
Preinstalled software Warranty  IBM DOS 6.3, Windows™ 3.11, and all appls listed to right: 1 year - carry in or EasyServ (optional onsite for \$40)										-	
The ThinkPad 360 family has the same Compatible in all 360 family, 360CSE / CE,								FFATURES	OF 360 FAMILY		

The ThinkPad 360 family has the same physical design as the ThinkPad 750 and 755

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- ① automatic config of many PCMCIA cards;
- visual/audible confirmation of insertion/ removal of cards:
- ability to automatically launch an appl (e.g. async emulation) when card inserted;

  status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

	All	All	C/						
Battery compatibility:		<u>750</u>	<u>CS</u>	<u>CD</u>					
84G2392 360 NiMH battery	Y	Ν	Ν	Ν					
66G2846 750 NiMH battery	Υ	Υ	Υ	Ν					
85G1513 NiMH Batt Pack Í		Ν	Ν	Υ					
Y = battery supported; N = not supported									

750 family, 755 family, 755CSE / CE, 755CD:
- Disks: 170 MB IDE disk 66G2849
250 MB IDE disk 84G2391 340 MB IDE disk 66G2849 540 MB IDE disk 84G2150 810 MB IDE disk 84G8250 Dock I (1 slot / 1 bay) 3450001 Dock II (2 slot / 2 bay) 84G3587 Port Replicator I (w/ PCMCIA) 66G3510 Port Replicator II 1.44 MB diskette 66G3520

Options for 360 (not pen), 360CSE / CE, 750 (not pen), 755, 755CSE / CE: CDPD Mobile module 71G2560

2.88 MB diskette

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC Memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

Options only for TFT models - 360C, 360CE, 750C, 755C, 755CE, 755CD - TV Tuner 66G3689

#### **FEATURES OF 360 FAMILY**

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch)

Battery life indicator

std in newer

66G0108

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

1 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

#### III ThinkPad 360PE - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	→ 360PE dual scan color - pen		PE has the same features as 360CSE except:				
Processor type Processor speed Memory cache Coprocessor socket Removable diskette Removable CD-ROM	80486 DX2 50/25 MHz 3.3 volt (SI 8 KB internal (no L2 ca Integrated in 486 DX2 3.5" 1.44 MB ) / suppo None		<ul> <li>Display folds d</li> <li>16 bit audio co</li> <li>Audio in and au</li> <li>PenDOS, Pen \</li> </ul>	tteryless stylus (pen) down to flat position to write on odec (vs no audio)			
Price (retail USD) Type - model Removable disk - size Hard drive - speed Avail / withdrawn date	2620-BOF 26 <b>340 MB</b> 0 5 14 ms 14 April 1995 / June 96 June 96	4,049 620-BOG <b>40 MB □</b> ○ 4 ms <sub>uly</sub> 1995 / June 1996			ALL 360 MODELS  Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory		
Display - type Display - colors Display - techology Display - size (diag) Display - pen enabled	VGA color / 640 x 480 256 simultaneous color Dual scan - passive ma 9.5 inch / 20 to 1 cont Pen enabled screen/f	atrix	d batteryless stylus	The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the			
Graphics - controller Graphics - vendor Graph - arch/data path		1 MB DRAM nal SVGA to 1024 x 768 with 25 it / Simultaneous LCD and CRT		Port	Replicator Model I and II and Dock I II.		
Memory - std / max Mem - sockets empty Mem - options available	4 MB / 20 MB 70 ns / r 1 socket 4, 8, 16 MB ICs	non-parity / 5.0 volt	Diskette drive can be removed     to reduce weight     to add other third party options				
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 k 8 (in any appl) Yes (legs pop out) TrackPoint II™ Yes (with optional cable	4 MB IC DRAM 70 ns 5v 8 MB IC DRAM 70 ns 5v 16 MB IC DRAM 70 ns 5v	parity 92G723 parity 92G723	- IBM PC DOS 6.3			
Dimensions Cubic inches Color Weight (with battery)	11.7 x 8.3 x 2.1" 204 inches Black 6.8 pounds	8 MB IC DRAM 70 ns 5v 16 MB IC DRAM 70 ns 5v	non-parity 92G723	7 - Po 4 - IB - W - W	- PenDOS® 2.2 - IBM ThinkWrite 1.21 - Windows 3.11 - Windows for Pen computing® 1.0 - IBM PC Card Director for PCMCIA - Online Users Guide - ThinkPad features 1. Lotus® cc:Mail, for the IBM Global®		
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (NiMH) 3 to 7 hours 2 hrs / 1.5 hr			- 0			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or Yes (one 9 pin) / Yes (E	: 1 Type III :PP)		2. Lo 3. Lo 4. O	network 2. Lotus Organizer 1.12 3. Lotus ScreenCam 1.0 4. Official Airline Guide Flight Disk® 1.0 5. Triton CoSession™ Host		
Audio support Audio in/out jack Other features	Input jack / output jack APM-aware BIOS / Sele AC adapter, 35 watts, w	planar / Crystal Semiconductor <sup>†</sup> ectable boot /orlwide, not wallmount s memory to disk and shuts off	7. Ai 8. So 9. Ta	econd Nature Screen Saver			
Security	Power-on password / H	ard disk password / Hardware so eyboard) / PCMCIA card lock / 0	11. Fa	arallon <sup>®</sup> Replica™ phaNet™ FollowFax™ edona REPRINT™			
Preinstalled software Warranty Warranty options	1 year - ThinkPad Easy	s™ 3.11, pen op systems, and a Serv only nly / ThinkPad EasyServ Overn		14. C	OMPEL™ Personal Edition euters <sup>SM</sup> Money <sup>®</sup> Network onologue™		
PC Card Director™ (FasyPlaying) is preinstalled 250 MB IDE 84G2391					FEATURES OF 360 FAMILY saving modes: standby, suspend, pernation lized nameplate in molded indentation		

and on the utility diskette for DOS, Windows and OS/2. It provides:

- ① automatic config of many PCMCIA cards;
- visual/audible confirmation of insertion/ removal of cards:
- ability to automatically launch an appl (e.g. async emulation) when card inserted;

  status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

#### ThinkPad 360PE supported batteries:

- 360 NiMH battery 84G2392 750 NiMH battery750 QuickCharger 66G2846 66G2843

	250 MB IDE	84G2391
	340 MB IDE	66G2849
	540 MB IDE	84G2150
	810 MB IDE	84G8250
-	Dock I (1 slot / 1 bay)	3545001
-	Dock II (2 slot / 2 bay)	3546001
-	Port Replicator I (w/ PCMCIA)	66G3510
-	Port Replicator II	66G3520
-	1.44 MB diskette	std in newer

#### Options for 360PE:

AC Adapter, 35 watts 85G6680 AC Adapter, 40 watts AC Adapter, 40 w, wallmount Car Battery Adapter 49G2165 84G2148 49G2167

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC DRAM memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch)

Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

1 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. □ = Upgradeable; ○ = Removable; ≈ = Withdrawn from marketing

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (360PE) Compiled by Roger Dodson, IBM. June 1996

#### IIIM ThinkPad 365 (non-CD-ROM models) - withdrawn

IBM® ThinkPad®:						ThinkPad 365 strengths		
Processor Processor upgrade Memory cache Diskette drive CD-ROM	10.4" dual scan  Cyrix Cx486DX4™75/ None  8 KB in DX4 (write bacl Internal 3.5" 1.44 MB (r None (cannot upgrade)	k) / no L2 cache not removeable)	ated m		sor	<ul> <li>Entry-priced noteboo</li> <li>Extensive software pr</li> <li>Infrared port</li> <li>Optional Port Replica charger and palm res</li> </ul>	eload itor with battery	
Display - diagonal size Display - type Display - colors Display - contrast Graphics - controller Graphics - memory Graphics - external Graph - arch/data path	SelSys Win 95 340 MB 340 MB 540 13 ms / EIDE 13 Nov 1995 / Jun 96 No 10.4" Dual scan VGA color / 640 x 480 256 simultaneous color 30 to 1  Chips and Technologie 512 KB DRAM External SVGA to 1024 VL-Bus 2.0 local bus / 3	H5712 41H8661 Sys Win 95 DMB 540 MB ms / EIDE v 1995 / Jun 96 s s s <sup>TM</sup> 65545 4 x 768 w/ 256 c 32 bit / Simultan	Sele 540 I 13 m Nov 10.4 VGA 262, 100 I Chip 1 ME colors (	or14 ctaSystem MB ss / EIDE 95 / Jun 96 ' Black Matrix color / 640 x 144 simultane to 1 s and Technol B DRAM up to 70 Hz LCD and CRT	eous colors ogies 65545	SELECTASYSTEM PRELOAD  - IBM DOS 7.0  - Windows 3.11  - OS/2® Warp 3.0 (dual boot) with selected BonusPak applications  - IBM PC Card Director™ 1.4  - IBM ThinkPad Demo  - Online Users Guide  - ThinkPad features; Diskette Factor  1. Lotus® cc:Mail™, e-mail for IBM Glo Network  2. Lotus Organizer™  3. Lotus ScreenCam™  4. Triton CoSession™ Host  5. PRODIGY®		
Memory - std / max Memory - upgrade Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	8 MB / 24 MB 70 ns / 1 socket for one JEDE Full size alp/num / 85 ( Yes (legs pop out) TrackPoint III™ Yes (with option cable of	C 72 pin SO DIM 8 Fn key function	MM of ons)	6. SofNet FaxWorks™ 7. Video For Windows™ 8. Puma TranXit™ 9. Compuserv for Windo 10. NetFinity for Windows	ows			
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 c 5.9 pounds NiMH/non-intelligent 3 to 9 hours 6 hrs / 2 hrs		5.8p	removable ounds		WINDOWS 95 P - Microsoft Windows 95 - IBM ThinkPad Demo - Online Users Guide	5	
Architecture  Docking Station Port replicator PCMCIATM 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, d VL-Bus 2.0 / 32 bit / 25 None Port Replicator and Ch 2 Type I or 2 Type II or One 9 pin; 16550A / on APM-aware BIOS / Uni	MHz (graphics, arger (with built- r 1 Type III e (IEEE P1284,	, disk) -in bat EPP,	tery charger a	nd palm rest)	<ul> <li>ThinkPad features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Globa network</li> <li>Lotus Organizer<sup>™</sup></li> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host</li> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup></li> </ul>		
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None None None Infrared port in back /	IrDA 1.0 comp	7. Puma TranXit™ 8. Compuserve for Wind	dows				
Security	Power-on password / S (Kensington™ MicroSa	Supervisor pass ver™ cable lock						
Preinstalled software Warranty	Choice of two preloade  1 year - ThinkPad Easy	d configurations						
The <b>Port Replicator and Charger</b> provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port  Options for ThinkPad 365:  -4 MB SO DIMM 3.3v non-parity 72 pin 92G7287  -16 MB SO DIMM 3.3v non-parity 72 pin 92G7293  -720 MB EIDE HDD 13 ms PIO Mode 3 38H6306					Dial. in not a manual la (illus	755/700		

replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin)
- External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin) Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

- 810 MB EIDE HDD 13 ms PIO Mode 442H4012 - 1.08 GB EIDE HDD 13 ms Mode 4 69H7956
- Port Replicator and Charger 38H6303 - NiMH Battery Pack 38H6304

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage

Fn + F3 = Standby

Fn + F4 = Suspend

Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video

Fn + F11 = Powermgmt

Fn + F12 = Hibernation

PgUp = Speaker enable PgDn = Speaker disable

System enters hibernation mode when keyboard is lifted up.

Disk is not removable (like 755/760 systems), but it can be upgraded via tools

#### FEATURES OF 365 MODELS

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. ⇒ = Withdrawn from marketing

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#### III ThinkPad 365 (CD-ROM models) - withdrawn

IBM® ThinkPad®:	365CSD	>	ThinkPad 365 (CD-ROM models) strengths		
Processor	10.4" dual scan - CD-ROM Cyrix Cx 486DX4™ 75/25		0.4" TFT - CD-RO ed math coproces		<ul> <li>Entry-priced CD-ROM notebook</li> <li>Integrated audio, microphone, speaker</li> </ul>
Processor upgrade Memory cache Diskette (not internal) CD-ROM (not remove)	None 8 KB in DX4 (write-back) / External 3.5" 1.44 MB (conn ) <b>5.25" CD-ROM / double s</b>	ects to back of sy	ystem) / use simult ession / XA / fro	aneously w/ CD-ROM nt loaded / ATAPI	<ul> <li>Simultaneous external diskette</li> <li>Joystick/MIDI port</li> <li>Infrared port</li> </ul>
Display - diagonal size Display - type Display - color Display - contrast Graphics - controller Graphics - external Graph - arch/data path	38H5724 41H86 SelectaSystem 540 MB 13 ms / EIDE Nov 1995 / Jun 96 10.4" Dual scan VGA color / 640 x 480 256 simultaneous colors 30 to 1 Chips and Technologies™ External SVGA to 1024 x 10 VL-Bus 2.0 local bus / 32 to	63 38 8 5	GA color / 640 x 62,144 simultane 00 to 1 MB DRAM ors up to 70 Hz ous LCD and CRT	eous colors	SELECTASYSTEM PRELOAD  - IBM DOS 7.0  - Windows 3.11  - OS/2® Warp 3.0 (dual boot) with selected Bonus Pak applications  - IBM PC Card Director™ 1.4  - IBM ThinkPad Demo  - Online Users Guide  - ThinkPad features; Diskette Factory  1. Lotus® cc:Mail™, e-mail for IBM Global® Network  2. Lotus Organizer™  3. Lotus ScreenCam™  4. Triton CoSession™ Host
Memory - std / max Mem - upgrade	8 MB / 24 MB 70 ns / non 1 socket for one JEDEC 7	i-parity / 3.3 vol 2 pin SO DIMM		Inton Cosession™ Host     PRODIGY®     SofNet FaxWorks™	
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 (8 F Yes (legs pop out) TrackPoint III™ Yes (with option cable or F	n key functions	Liftable (po access and (and upgra disk);	7. Video For Windows™ Runtime 8. Puma TranXit™ 9. Compuserv for Windows 10. NetFinity for Windows and OS/2	
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubi 6.4 pounds NiMH/non-intelligent 2.5 to 9 hours 6 hrs/2 hrs	c inches)   6.	not removable	WINDOWS 95 PRELOAD  - Microsoft Windows 95  - IBM ThinkPad Demo	
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, disked VL-Bus 2.0 / 32 bit / 25 MHNone Port Replicator and Charg 2 Type I or 2 Type II or 1 One 9 pin; 16550A / one (I APM-aware BIOS / Univer	-lz (graphics, di er (with built-in l Γype III EEE P1284, EF	nd palm rest)	- Online Users Guide - ThinkPad features; Diskette Factory 1. Lotus® cc:Mail™, e-mail for IBM Global Network 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host	
MPEG decoder Data/fax modem Audio support	None None 16 bit audio chip / 18 voi Internal speaker / .5 watt	ce MIDI FM Syı	nthesis / ESS168	38 with OPL3	<ol> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup></li> <li>Puma TranXit<sup>™</sup></li> <li>Compuserve for Windows</li> </ol>
Audio in/out jacks	Input jack (stereo) / microp Joystick/MIDI port (include	hone jack / out	microphone		
Infrared ports	Infrared port in back / IrD	•	•		
Security	Power-on password / Sup- (Kensington™ MicroSaver				
Preinstalled software Warranty	Choice of two preloaded co 1 year - ThinkPad EasySe			otion) or carry-in	
optional second batte	battery charger for an	- 4 MB SO DI - 16 MB SO DI	hinkPad 365: IMM 3.3v non-parii IMM 3.3v non-parii DE HDD 13 ms Pl0		Disk is not removable (like 755/760 systems), but it can be upgraded via tools

replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin) Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

- 20 MB EIDE HDD 13 ms PIO Mode 3 38H6306 systems), but it can be upgraded via tools
- 810 MB EIDE HDD 13 ms PIO Mode 442H4012
- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956
- Port Replicator and Charger 38H6303
- NiMH Battery Pack 38H6304

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage

Fn + F3 = Standby

Fn + F4 = Suspend

Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video

Fn + F11 = Powermgmt

Fn + F12 = Hibernation

PgUp = Speaker enable PgDn = Speaker disable

System enters hibernation mode when keyboard is lifted up.

#### **FEATURES OF 365 MODELS**

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. 

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#### 麗 ThinkPad 365E - withdrawn

			_			
IBM <sup>®</sup> ThinkPad <sup>®</sup> :						
Processor Processor upgrade Memory cache Diskette drive CD-ROM	IBM 5x86c <sup>™</sup> 100/33 MHz (Cyrix) / integrated math coprocessor None 16 KB in 5x86c (write back) / no L2 cache Internal 3.5" 1.44 MB (not removeable) None (can not upgrade)					
Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date	2625-W9A Windows 95 <b>540 MB</b> 13 ms / EIDE / PIO Mode 3 May 1996 October 1996					
Display - diagonal size Display - type Display - colors Display - contrast	10.4" Dual scan VGA color / 640 x 480 256 simultaneous colors 30 to 1					
Graphics - controller Graphics - memory Graphics - external Graph - arch/data path	Chips and Technologies™ 65545 1 MB DRAM External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz  1 VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt					
Memory - std / max Memory - upgrade	<b>8 MB</b> / 24 MB 70 ns / non-parity / 3.3 volt / fa 1 socket for one JEDEC 72 pin SO DIMM of	ast page 4 or 16 MB				
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 (8 Fn key functions) Yes (legs pop out) TrackPoint III™ Yes (with option cable or Port Replicator)  Liftable (pop-up) keyboar access and remove batter (and upgrade memory and disk); diskette drive is no					
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubic inches) 5.9 pounds NiMH/non-intelligent 2.5 hours 6 hrs / 2 hrs	removable				
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, diskette, serial, parallel, 100 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk) None Port Replicator and Charger (with built-in battery charger and palm rest) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional)					
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS  None None None None Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps					
Security	Power-on password / Supervisor password / (Kensington™ MicroSaver™ cable lock) / key	Locking device keyhole board lock (requires Kensington)				
Preinstalled software Warranty	Windows 95 with utilities and applications (lis <b>1 year -</b> ThinkPad EasyServ (optional Overni					

The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin)Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

Options for ThinkPad 365:

- 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287
- 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293
- 810 MB EIDE HDD 13 ms Mode 4 42H4012
- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956 Port Replicator and Charger (old) 38H6303
- replaced by 75H7529
- NiMH Battery Pack 38H6304
- 35 watt AC Adapter 2 pin 85G6719
- Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage Fn + F3 = Standby

Fn + F3 = Standy Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video Fn + F11 = Powermgmt

Fn + F12 = Hibernation= Speaker enable PgUp PğDn

System enters hibernation mode when keyboard is lifted up

= Speaker disable

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

ThinkPad 365 strengths:

- Entry-priced notebook
- Extensive software preload
- Infrared port
- Optional Port Replicator with battery charger and palm rest

#### **WINDOWS 95 PRELOAD**

- Microsoft Windows 95
- Online Users Guide
- Diskette Factory
- PC Card Director 1.4 Triton™ CoSession™ Host
- Puma TranXit™
- NetFinity for Windows CompuServ™ for Windows

#### FEATURES OF 365 MODELS

Product Map LED indicator panel
Plug and Play 1.0a
Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/sérvice Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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#### **証 ThinkPad 365ED - withdrawn**

IBM® ThinkPad®:	≈ 365ED						
Processor upgrade	10.4" dual scan - CD-ROM  IBM 5x86c™ 100/33 MHz (Cyrix) / integrated None	math coprocessor					
Processor upgrade Memory cache Diskette (not internal) CD-ROM (not remove)	16 KB in 5x86c (write-back) / no L2 cache External 3.5" 1.44 MB (connects to back of system) / use simultaneously w/ CD-ROM 5.25" CD-ROM / 4 x speed / multi-session / XA / front loaded / ATAPI						
Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date	2625-W9G Windows 95 <b>540 MB</b> 13 ms / EIDE / PIO Mode 3 May 1996 October 1996						
Display - diagonal size Display - type Display - color Display - contrast	10.4" Dual scan VGA color / 640 x 480 256 simultaneous colors 30 to 1						
Graphics - controller Graphics - external Graph - arch/data path	Chips and Technologies™ 65545 with 1 MB D External SVGA to 1024 x 768 w/ 256 colors u VL-Bus 2.0 local bus / 32 bit / Simultaneous	ıp to 70 Hz					
Memory - std / max Mem - upgrade	8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page 1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB						
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 (8 Fn key functions) Yes (legs pop out) TrackPoint III™ Yes (with option cable or Port Replicator)	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk);					
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubic inches) 6.4 pounds NiMH/non-intelligent 2.3 hours 6 hrs / 2 hrs	CD-ROM is not removable					
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, diskette, serial, parallel, 240 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk) None Port Replicator and Charger (with built-in battery charger and palm rest) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional) APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS						
MPEG decoder Data/fax modem Audio support	None None 16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 with OPL3 Internal speaker / .5 watt / dial volume control / internal microphone						
Audio in/out jacks Infrared ports	Input jack (stereo) / microphone jack / output Joystick/MIDI port (includes Joystick/MIDI ca Infrared port in back / IrDA 1.0 compatible	ble) `					
Security	Power-on password / Supervisor password / (Kensington™ MicroSaver™ cable lock) / keyl	Locking device keyhole					
Preinstalled software Warranty	Windows 95 with utilities and applications (lis 1 year - ThinkPad EasyServ (optional Overni	ted to right)					

ThinkPad 365 (CD-ROM models) strengths:

- **□** Entry-priced CD-ROM notebook
- Integrated audio, microphone, speaker
- Simultaneous external diskette
- Joystick/MIDI port
- Infrared port
- MPC2 compliant

#### **WINDOWS 95 PRELOAD**

- Microsoft Windows 95
- Online Users Guide
- Diskette Factory PC Card Director 1.4
- Triton CoSession™ Host Puma TranXit™
- NetFinity for Windows
- CompuServ™ for Windows

The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin)
- Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin)
- Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

Options for ThinkPad 365:

- 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293
- 810 MB EIDE HDD 13 ms Mode 4 1.08 GB EIDE HDD 13 ms Mode 4 42H4012
- 69H7956 (old) 38H6303
- Port Replicator and Charger replaced by 75H7529
- NiMH Battery Pack 38H6304 - 35 watt AC Ádapter - 2 pin 85G6719

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage

Fn + F3 = StandbyFn + F4 = Suspend

Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video Fn + F11 = PowermgmtFn + F12 = HibernationPgUp = Speaker enable PğDn = Speaker disable

System enters hibernation mode when keyboard is lifted up

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

#### **FEATURES OF 365 MODELS**

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/sérvice Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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### IIM ThinkPad 365X - withdrawn

IBM® ThinkPad®:	≈ 365X			Key diffe	erences between 36	55F and 365X:	
	10.4" SVGA TFT or DSTN	color	Key differences between 365E and 365X:  365E 365X				
Processor type Processor upgrade L2 cache Diskette drive External FDD port Internal CD-ROM	Pentium® 100/66 / 64-bit None None (not upgradeable) Internal 3.5" 1.44MB O (n External FDD port (used if None standard / 4 x CD-RO	ot removable	e)	5x86c 1 8MB fas VL-Bus 10.4" V 540MB	100/33MHz st page (to 24MB) graphics and disk GA 640x480 LCD disk standard	Pentium 100, 120, 133 8MB EDO (to 40MB) PCI graphics and disk SVGA 800x600 810MB or 1.08GB disk	
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2625-6E7 <b>Windows 95</b> May 1996 / January 1997 <b>810MB</b> / 13ms m / PIO Mo EIDE / busmaster / PCI 2.1		2625-7E7 Windows 95 May 1996 / January 1997 one internal disk	Phoenix	grated audio	16-bit audio IBM BIOS with Easy Setup and ThinkPad Features	
Display - size and type Display - techology	10.4 inch DSTN color SVGA / 640x480 or 800x6 Dual scan 256 sim colors / 25 to 1 cor		10.4 inch TFT color SVGA / 640x480 or 800x600 Black Matrix TFT - active ma 65,536 simultaneous colors /	atrix	ontrast ratio		
Graphics - controller Graph - arch/data path Gaphics - features		bit SVGA ac SVGA to 102	celerator / 1MB fast page DRA 4x768 w/ 256 colors				
Memory - std / max Memory - features	<b>8MB</b> / 40MB 70ns / non-parity / 3.3 volt	/ EDO / 1 so	ocket for one JEDEC 144 pin	EDO SO	DIMMs of 8, 16, or	32MB	
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (6 Fr Yes (legs pop out) TrackPoint III™ / external k	,	ns) oport (w/ option cable or Port R	eplicator)	WINDOW - Microsoft Windo	<b>/S 95 PRELOAD</b> Dws 95	
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cu in) 6.0 pounds (2.7 kg)	remove i	<i>(pop-up) keyboard</i> to access battery (and upgrade memor skette drive is not removable	y and	<ul><li>Online User's G</li><li>ThinkPad Featu</li><li>PC Card Director</li></ul>	ires	
Battery - type Battery - life (1 batt) Charge time - on / off	NiMH/non-intelligent 2.5 hours 1.5 hrs / 1.2 hrs	uisk), ui	<ul><li>Diskette Factor</li><li>1. Triton CoSession</li><li>2. Compusery for</li></ul>	y on™ Host			
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	2 Type İ or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE	EIDE, graph er (with built-i pe III EEE P1284- <i>P</i>	al, parallel, infrared) aphics)  3. NetFinity for Windows 95 4. Puma TranXit™ - Lotus SmartSuite 96 CD-ROM  84-A, EPP, ECP, bidirectional) dapter 3 prong (35 watts) / Selectable boot				
Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports		watt / dial vo hone jack / o	olume control / internal micro utput jack (stereo) / no joystick				
Security	Power-on pwd / Hard disk p	owd / Superv	risor pwd / Locking device keyl ) / keyboard lock (requires Kens	hole sington)			
Preinstalled software Warranty	Microsoft Windows 95 wth a 1 year - ThinkPad EasySer	applications v (optional C	(listed on right) overnight Repair Option) or car	ry-in	Easy-Setup is ento	ered by holding F1	
replication.	battery charger for an y, a palm rest when n, and has complete port	- 8MB SO D - 16MB SO - 32MB SO - 810MB EI - 1.08GB E	DIMM 3.3v NP EDO 64-bit         92           DIMM 3.3v NP EDO 64-bit         92           DE HDD 13ms         42I           IDE HDD 13ms         69I	<b>G7342</b> H4012 H7956		Mode 2 or PIO Mode 4 Mode 2 or PIO Mode 4	
The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.  Port Replicator and Charger connectors: - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector (to charge 2nd battery)			H7529 H6304 H7225 G6719	Quick Setup Gui LED indicator pa Plug and Play 1.0	nel		
			= Standby = Suspend = LCD/CRT/Simultaneous = Power mgmt = Hibernation removable (like 755/760 syster	and hiber US EPA En- Personalize Personaliza Internation 24 hour / 7 board, fa (http://ww IBM and de		y Star compliant ameplate in indention n screen at startup Warranty Service ty telephone, bulletin electronic, and Internet p.c.ibm.com) support r warranty/service call (remote diagnostics)	

### Time ThinkPad 365X (Fall 1996 models) - withdrawn

IBM® ThinkPad®:		SVGA DSTN	color						
Processor type Processor upgrade L2 cache Diskette drive External FDD port Internal CD-ROM	Pentium® 120/60 or 133/66MHz / 64-bit transfer to memory None None (not upgradeable) Internal 3.5" 1.44MB m (not removable) External FDD port (used if purchase CD-ROM upgrade) None standard / 4 x or 8 x CD-ROM option available which includes an external diskette drive (not customer install)								
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2625-3E9 Windows 95 October 1996 / July 1997 120/60MHz 810MB / 13ms  / PIO MEIDE / busmaster / PCI 2.		97 lode 4						
Display - size and type Display - techology	10.4 inch TFT color SVGA / 640x480 or 800x6 Black Matrix TFT - active 65,536 simultaneous colors	matrix	11.3 inch DSTN color SVGA / 640x480 or 800x6 Dual scan 256 simultaneous colors / 3		ast ratio				
	Trident™ CYBER9320 / 32 PCI 2.1 / 32-bit / external S Simultaneous LCD and CR	SVGA to 102		RAM / 70ns					
Memory - std / max Memory - features	<b>8MB</b> / 40MB 70ns / non-parity / 3.3 volt	:/EDO/1so	ocket for one JEDEC 144 pi	in EDO SO	DIMMs of 8, 16, or 32MB				
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (6 Fi Yes (legs pop out) TrackPoint III™ / external i	n key functior keyboard sup	·		WINDOWS 95 PRELOAD - Microsoft Windows 95				
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cu in 6.1 pounds (2.76 kg)	)	5.9 pounds (2.67 kg)		<ul><li>Online User's Guide</li><li>ThinkPad Features</li></ul>				
Battery - type Battery - life Charge time - on / off	NiMH/non-intelligent 2.5 hours 1.5 hrs / 1.2 hrs	remove i	<i>pop-up) keyboard</i> to accest pattery (and upgrade memo skette drive is not removal	orv and	- PC Card Director 4.0 - Diskette Factory 1. Trition CoSession™ Host				
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, diske PCI 2.1 / 32-bit / 33MHz ( None Port Replicator and Charge 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE APM-aware BIOS / Univers	ette, serial, pa EIDE, graphi er (with built-in pe III EEE P1284-A	est)	<ul> <li>2. Compuserv for Windows</li> <li>3. NetFinity for Windows 95</li> <li>4. Puma TranXit™</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ul>					
Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports		<b>watt / dial vo</b> hone jack / o	· <b>lume control / internal mic</b> utput jack (stereo) / no joysti						
Security	•	pwd / Superv	isor pwd / Security keyhole						
Preinstalled software Warranty	Microsoft Windows 95 wth 1 year - ThinkPad EasySei	applications or (optional C	(listed on right) overnight Repair Option) or c	carry-in	Easy-Setup is entered by holding F1 when turning on.				
replication.  The Port Replicator ca	battery charger for an y, a palm rest when h, and has complete port	- 8MB SO D - 16MB SO - 32MB SO - 810MB EI - 1.08GB E	DIMM 3.3v NP EDO 64-bit 9 DIMM 3.3v NP EDO 64-bit 9 DE HDD 13ms 4 IDE HDD 13ms 6		810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4				
When the ThinkPad is Replicator, it will attem in ThinkPad first (if the charging the battery in	npt to recharge the battery re is one) before the Port Replicator.	- 2.1GB HD - Port Replic - NiMH Batt - 35 watt AC - 35 watt AC	DD 13ms 8 cator and Charger 7 cery Pack 3 C Adapter (2 pin barrel) 7 C Adapter (slim, 2 pin) 7 CD-ROM Drive 7	32H8175 75H7529 38H6304 35G6719 76H0139 73H7225 33H6726	FEATURES OF 365 MODELS  Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes				
- Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm)			Battery guage Standby Suspend LCD/CRT/Simultaneous Power mgmt Hibernation		US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)				
- DC input connector	etor (to charge 2nd battery)		emovable (like 755/760 syst graded via a screwdriver	tems), but					

#### IIM ThinkPad 365XD - withdrawn

IBM® ThinkPad®:	365XD				Key di	differences between 365ED and 365XD:			
Processor type Processor upgrade L2 cache Diskette drive  External FDD port CD-ROM (not remove)	Pentium® 100/66 or 120/ None None (not upgradeable) External 3.5" 1.44MB (concase with a cable / use sexternal FDD port (works with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a cable / use sexternal FDD port with a ca	60MHz / 64- nnects to bac simultaneous with standard	-bit transfer to me ck of system) / er sly with CD-ROM d external diskette	emory nclosed in e; no kit red	a 8MB f VL-Bu 10.4" qd) 540M	365ED 100/33MHz ast page (to 24MB) s graphics and disk VGA 640 x 480 LCD B disk standard ix BIOS 365XD Pentium 100, 120, 133 8MB EDO (to 40MB) PCI graphics and disk 10.4" or 11.3" SVGA 810MB, 1.08, 1.35GB IBM BIOS			
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	≈ 2625-6E3 Windows 95 May 1996 / January 1997 100/66MHz 810MB / 13ms ○ / PIO Mo EIDE / busmaster / PCI 2.1								
Display - size and type Display - techology Graphics - controller	10.4 inch DSTN color SVGA / 640x480 or 800x6 Dual scan 256 sim colors / 25 to 1 con Trident™ CYBER9320 / 32-	ntrast ratio	10.4 inch TFT cc SVGA / 640x48 Black Matrix TF 65,536 sim col /	0 or 800x6 <b>T</b> - active r 100 to 1 cc	matrix ontrast ratio				
Graph - arch/data path Gaphics - features	PCI 2.1 / 32-bit / external Simultaneous LCD and CR	SVGA to 102	4x768 w/ 256 col	ors					
Memory - std / max Memory - features	. ,			EC 144 pi	in EDO SC	DIMMs of 8, 16, or 32 MB			
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (6 Fr Yes (legs pop out) TrackPoint III <sup>TM</sup> / external k	ceyboard sup	,	ble or Port	Replicato	WINDOWS 95 PRELOAD  ) - Microsoft Windows 95  - Online User's Guide			
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cubic 6.4 pounds (2.9 kg)					- ThinkPad Features - PC Card Director 4.0			
Battery - type Battery - life Charge time - on / off	NiMH/non-intelligent 2.5 hours 1.5 hrs / 1.2 hrs	remov	le (pop-up) keybo e battery (and up CD-ROM is not ro	grade me	cess and mory and	- Diskette Factory 1. Triton CoSession™ Host 2. Compuserv for Windows			
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features  Video in/out MPEG decoder Data/fax modem Audio support	ISA (audio, PCMCIA, disker PCI 2.1 / 32-bit / 33MHz (IN) None Port Replicator and Charge 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE) APM-aware BIOS / University None None None 16-bit audio chip / 18 void	EIDE, graph er (with built-i pe III EEE P1284-A sal AC adapte	ics)  n battery charger  A, EPP, ECP, bidin er 3 prong (35 war	rectional) tts) / Select	table boot	Online User's Guide     ThinkPad Features Program     PC Card Director 4.0     Diskette Factory			
Audio in/out jacks Infrared ports	One internal speaker / .5 v Input jack (stereo) / micropl Infrared port in back / IrD	hone jack / o A 1.0 comp	utput jack (stereo atible / up to 115	) / no joysti <b>Kbps</b>	ick port				
Security	Power-on pwd / Hard disk r (Kensington™ MicroSaver	<sup>™</sup> cable lock)	/ keyboard lock (	g device ke requires Ke	eyhole ensington)	96)			
Preinstalled software Warranty	Microsoft Windows 95 wth a 1 year - ThinkPad EasySer	applications v (optional C	(listed on right) Vernight Repair C	Option) or c	arry-in				
The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.  The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.  The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.  The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.				0 64-bit O 64-bit O 64-bit	92G7340 92G7341 92G7342 42H4012 69H7956	Easy-Setup is entered by holding F1 when turning on.  810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4			
whether or not a ThinkPad is connected to it.  When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.			- 1.4GB EIDE HDD 3L 12.5 mm 82H8 - 2.1GB HDD 13ms 82H8 - Port Replicator and Charger 75H7 - NiMH Battery Pack 35 watt AC Adapter (2 pin barrel) 85G6 - 35 watt AC Adapter (slim, 2 pin) 76H0 - 8 x CD-ROM 83H6			FEATURES OF 365 MODELS  Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend,			
Port Replicator and CI - Serial (RS-232, 9 pir - Parallel (EPP, ECP, - External display (15 - Keyboard - Mouse - Diskette drive (26 pir - Game with MIDI sup - Audio in (3.5 mm) - DC input connector	25 pin) pin)	Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation  Disk is not removable (like 755/760 systems) it can be upgraded via a screwdriver				and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			
- Spare battery connec	ctor (to charge 2nd battery)								

#### III ThinkPad 365XD (Fall 1996+ models) - withdrawn

IBM® ThinkPad®:	→ 365XD  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM    Continuous									
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM (not remove) CD-ROM features	Pentium® 120/60 or 133/66MHz / 64-bit transfer to memory None None (not upgradeable) External 3.5" 1.44MB (connects to back of system) / enclosed in a case with a cable / use simultaneously with CD-ROM External FDD port (works with standard external diskette; no kit required) e) 5.25" CD-ROM / 4 x speed   5.25" CD-ROM / 6 x speed (all systems upgradeable to 8 x CD-ROM) Multi-session / XA / front loaded / ATAPI / not bootable / upgradeable									
Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2625-4E9 (Clark 4) 2625-GE9 (Clark 4.5) 2625-1E9 (Clark 4) 2625-FE9 (Clark 4.5) Windows 95 OSR2 Windows 95 OSR2									
Display - size and type Display - techology	10.4 inch TFT color SVGA / 640x480 or 800x6 Black Matrix TFT - active 65,536 sim col / 100 to 1 co	matrix	11.3 inch TFT color SVGA / 640x480 or 800x6 Black Matrix TFT - active r 65,536 sim col / 100 to 1 co	natrix	11.3 inch DSTN color SVGA / 640x480 or 800x600 Dual scan 256 sim colors / 30 to 1 contrast ratio					
Graphics - controller Graph - arch/data path Graphics - features	·									
Memory - std / max Memory - features	8MB / 40MB 70ns / non-parity / 3.3 volt / EDO / 1 socket for one JEDEC 144 pin EDO SO DIMMs of 8, 16, or 32 MB									
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (6 For Yes (legs pop out)  TrackPoint IIITM / external	,	tion cable or Port Replicator)		WINDOWS 95 PRELOAD MODELS 4E9 and 1E9					
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cubic 6.4 pounds (2.9 kg)	inches)   6.1 pounds (2.77 kg)	[6.2 pounds (2.79 kg)		crosoft Windows 95 line User's Guide					
Battery - type Battery - life Charge time - on / off	NiMH/non-intelligent 2.0 hours 1.5 hrs / 1.2 hrs	Liftable (pop-up) remove battery (a disk); CD-ROM is	keyboard to access and and upgrade memory and a not removable	- Thi - PC - Dis	nkPad Features Program Card Director 4.0 kette Factory					
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	ISA (audio, PCMCIA, disk PCI 2.1 / 32-bit / 33MHz ( None Port Replicator and Charge 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	EIDE, graphics) er (with built-in battery ch pe III EEE P1284-A, EPP, ECF	narger and palm rest)	2. Co 3. Ne 4. Pu	con CoSession™ Host mpuserv for Windows tFinity for Windows 95 ma TranXit™ us SmartSuite 96 CD-ROM WINDOWS 95 PRELOAD					
Other features Video in/out	APM-aware BIOS / University None	sal AC adapter 3 prong (	35 watts) / Selectable boot	- Mic	MODELS GE9 and FE9 crosoft Windows 95 OSR2					
MPEG decoder Data/fax modem Audio support  Audio in/out jacks Infrared ports	None None 16-bit audio chip / 18 voi One internal speaker / .5 Input jack (stereo) / microp Infrared port in back / IrE	watt / dial volume cont hone jack / output jack (s	- On - Thi - PC - Dis 1. Trit	line User's Guide nkPad Features Program Card Director 4.0 kette Factory on CoSession™ Host						
Security	Power-on pwd / Hard disk (requires cable) / keyboard	pwd / Supervisor pwd / S	· · · · · · · · · · · · · · · · · · ·	3. Ne	mpuserv for Windows tFinity for Windows 95 ma TranXit™					
Preinstalled software Warranty	Microsoft Windows 95 wth 1 year - ThinkPad EasySe	applications (listed on rig		5. Inte 6. IBN 7. IGN	elliLink Connect M Anti-Virus N/Netscape Internet elliQuest Registration Mailer					
The <b>Port Replicator and Charger</b> provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port  Options for ThinkPad 365XD:  - 8MB SO DIMM 3.3v NP EDO 64-bit 92G7341  - 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342					gonomics us SmartSuite 96 CD-ROM Setup is entered by holding F1					
otanoa on the oyoter	, a.ia iiao ooiiipioto poit	1 - 32IVIB 50 DIMIN 3.3V	NP EDO 64-bit 92G7342	whon	turning on					

installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin) Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- · Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

- 8MB SO DIMM 3.3v NP EDO 64-bit	92G7340
- 16MB SO DIMM 3.3v NP EDO 64-bit	92G7341
- 32MB SO DIMM 3.3v NP EDO 64-bit	92G7342
- 810MB EIDE HDD 13ms	42H4012
- 1.08GB EIDE HDD 13ms	69H7956
- 1.4GB EIDE HDD 3L 12.5 mm	82H8161
- 2.1GB HDD 13ms	82H8175
- Port Replicator and Charger	75H7529
- NiMH Battery Pack	38H6304
- 35 watt AC Adapter (2 pin barrel)	85G6719
- 35 watt AC Adapter (slim, 2 pin)	76H0139
- 8 x CD-ROM	83H6726
- 2.1GB HDD 13ms 4000 rpm	82H8175

Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend

= LCD/CRT/Simultaneous

Fn + F7 = LCD/CRT/Sir Fn + F11 = Power mgmt Fn + F12 = Hibernation

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

when turning on.

810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4 1.35GB = DMA Mode 2 or PIO Mode 4

#### **FEATURES OF 365 MODELS**

Quick Setup Guide LED indicator panel Plug and Play 1.0a

Doze, standby, suspend, safe suspend, and hibernation modes

US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service

24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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#### IBM ThinkPad 370C (non-US) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :						s positioned between O and ThinkPad 755 family
Processor type Processor speed Memory cache Coprocessor socket Processor / L2 upgrade Removable diskette Removable CD-ROM	InteIDX4 75/25 MHz/3.3 volt 16 KB internal (no L2 cae Integrated in DX4 None 3.5" 1.44 MB  / support	,	kette	<ul> <li>DX4 7</li> <li>10.4"</li> <li>Black</li> </ul>	ges over 75/25 MH color TF Matrix 1 3 max me	TT (vs 8.4" color TFT)  IFT (vs not Black Matrix)
Price Type - model Removable disk - size Hard drive - speed Available date Withdrawn date	9545-QPC 340 MB	16 MB DIMN 4 MB IC DI 5 8 MB IC DI 6 16 MB IC DI	/I w/ Paritý	84G2 84G6 84G2 92G7 92G7 92G7	5539 2153 7232 7233 7234	ALL 370C MODELS  Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory
Display - type Display - colors Display - techology Display - diagonal size	VGA color / 640 x 480 256 simultaneous colors Black Matrix TFT - active 10.4 inch / 100 to 1 contr	8 MB IC DI 16 MB IC DI ast ratio / 180 degree	RAM 70 ns non-Par RAM 70 ns non-Par	ritý 92G7	7237   Th 7424   ext   Kit   Po	e removed diskette drive can be used ternally via the optional 'FDD External ' (includes cable and enclosure) to the ort Replicator Model I and II and Dock I
Graphics - controller Graphics - vendor Graph - arch/data path	WD90C24A Rev B with 1 Western Digital / Externa VL-Bus local bus / 32 bit	I SVGA to 1024 x 768		o to 75 Hz)	Dis	d II. skette drive can be removed to reduce weight
Memory - std / max Mem - sockets empty Mem - options available	4 MB / 36 MB 70 ns / no 1 socket 2, 4, 8, 16 MB ICs or 4, 8 work on optional Mem	, 16 MB DIMMs that	Memory upgraded v  1 open socket for ory card for 20 MB r  DIMM technology	r IC mem- max or	3	to insert cellular modem (CDPD) to insert TV Tuner (for on screen TV and VCR playback) to insert 2.88 MB diskette
Keyboard / # of keys Fn key functions	Full size alp/num / 85 key 8 (in any appl)	rs ·	of 36 MB with 4, 8, 0	or	(5)	to add other third party options
Keyboard slope Mouse/pointing Ext keyboard support	Yes (legs pop out)  TrackPoint II™  Yes (with optional cable)		DIMMs on optional I Module Adapter		- IB	REINSTALLED APPLICATIONS M PC DOS 7.0
Dimensions Cubic inches Color Weight (with battery)	11.7 x 8.3 x 2.0" 194 inches Black 6.3 pounds		Fn key functions: - Fuel guage (batter - Standby mode - Suspend mode - Audio beep on	ry)	- IB - IB - Or - Th	indows 3.11 M PC Card Director for PCMCIA M ThinkPad Demo nline Users Guide ninkPad features; Diskette Factory
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (NiMH) / in 2.9 to 8 hours 2 hrs / 1.5 hr	telligent	<ul> <li>Audio beep off</li> <li>LCD or CRT or bo</li> <li>Power mode switch</li> </ul>		ne 2. Lo	otus <sup>®</sup> cc:Mail, for the IBM Global <sup>®</sup> btwork, otus Organizer 1.12
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 Yes (one 9 pin) 16550B/	Type III	- Hibernation mode		4. Of 5. Tri 6. PF 7. Sc	tus ScreenCam 1.0, ficial Airline Guide Flight Disk <sup>®</sup> 1.0 iton CoSession™ Host, RODIGY <sup>®,</sup> ofNet FaxWorks™ 3.0 trallon® Replica™
Other features Audio support Security	APM-aware BIOS / Selection AC adapter, 35 watts, wo Audio beep only Power-on password / Ha security loop (secures un PCMCIA card lock / Optic	rldwide, 3 pin, not wal rd disk password / Su it and prevents openi	pervisor Password	/ Hardwar	9. Alj 10. Se 11. CO	phaNet™ FollowFax™ edona REPRINT™ DMPEL™ Personal Edition deo for Windows™ 1.1 Runtime
Preinstalled software Warranty Warranty options	IBM DOS 7.0, Windows <sup>TN</sup> 1 year - ThinkPad EasyS Onsite via special bid onl	erv only	sted to right:			
The ThinkPad 370 family	ily has the same ThinkPad 360, 750, and	Compatible in all 36 family, and 755 family	ly:			FEATURES OF 370C FAMILY

755 family.

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- automatic config of many PCMCIA cards;
   visual/audible confirmation of insertion/
- removal of cards:
- ability to automatically launch an appl (e.g. async emulation) when card inserted;

  status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

ThinkPad 370C supported batteries:

- 750 NiMH battery 66G2846 - 750 Quick Charger 66G2843

arring, arr	u 7 00 fairilly.	
Disks:	170 MB IDE	66G2847
	250 MB IDE	84G2391
	340 MB IDE	66G2849
	540 MB IDE	84G2150
	810 MB IDE	84G8250
	1.2 GB IDE	85G8562
Dock I	(1 slot / 1 bay)	3545001
Dock II	(2 slot / 2 bav)	3546001

Port Replicator I (w/ PCMCIA) 66G3510 Port Replicator II 1.44 MB diskette 66G3520 std in newer

66G0108

2.88 MB diskette

Options for 370C:

- TV Tuner 66G3689 - CDPD Mobile module 71G2560 - Car Battery Adapter 49G2167 FDD External Attachment Kit 66G3618

IC DRAM memory from ThinkPad 700, 720, 750, and 755 will work but without parity

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB, 1.2 GB (all 2.5 inch)

Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

□ = Upgradeable; ○ = Removable; ≈ = withdrawn from marketing

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IBM® ThinkPad®:	<b>380</b> 12.1" SVGA DSTN					
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium® 150/60 MHz / 6 None 256 KB / write-through / d Internal 3.5" 1.44 MB / use None since diskette intern	4 bit transfer to L2 cache / 64 bit transfer irect mapped / 8 ns / synchronous pipeline s simultaneously with CD-ROM / on right al	ned burst side			
Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	<b>2635-10U Windows 95 OSR2</b> May 1997 / January 1998 <b>150/60 MHz 1.08 GB</b> / 13 ms / PIO Mo EIDE / PCI 2.1 / supports		support / no	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up of removeable / upgrade only by IBM or dealer		
Display - size and type Display - techology	12.1 inch DSTN color SVGA / 640 x 480 or 800 > Dual scan 65,536 simultaneous color					
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125 MB / iDRAM™ (emb	128ZV™ (NM2093) /128 bit SVGA accele edded) / color space conversion and inte VGA to 1024 x 768 with 256 colors		med Video support / DDC1 and DDC2B  a X and Y axis / support for DCI, DirectDraw		
Memory - std / max Memory - features	16 MB / 80 MB / non-parity	// 3.3 volt / EDO 44 pin EDO SO DIMM of 8, 16, 32, or 64	MB / socke	et accessed from bottom via screw		
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fr	n key functions) / keyboard slope with Port with option cable 06G8619 or Port Replic	t Replicator	WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16)		
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cub 6.6 pounds (2.96 kg)	c inches)		Online User's Guide     ThinkPad Features Program     System Sett Card Works TM		
Battery - type / life Charge time - on / off	NiMH / non-intelligent / 2.2 3.5 to 10 hrs / 2.8 hrs	hrs		- SystemSoft CardWorks™ - Diskette Factory and Utilities 1. Triton CoSession™ Host 2. NetFinity for Windows 95 3. Puma TranXit™ 4. IntelliLink Connect 5. IBM Anti-Virus 6. IGN/Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer		
Architecture	ISA (audio, diskette, serià	EIDE, graphics, PCMCIA, Port Replicator , parallel, infrared) PCIset / Intel 82371MX PIIX / NS PC8733	,			
Docking Station Port replicator	None	rt Replicator, ② ThinkPad 560 Port Replica				
PCMCIA™ slots Serial / parallel ports	PCMCIA 2.1 compatible / F One 9 pin; 16550A / one (I	/pe III / Zoomed Video support in lower C Card Standard 95 / Cirrus Logic CL-PD EEE P1284-A, EPP, ECP, bidirectional)	6729 (PCI)	O. Intelliquest Registration Mailer     CompuServe WinCIM     O. Lotus Organizer     11. Ergonomics		
Other features Video in/out Data/fax modem Audio support Audio in/out jacks	None None <b>16 bit audio chip /</b> 20 voice One internal speaker / .5 w	s AC adapter, barrel (35 watts) / Selectable  MIDI FM Synthesis / Crystal Semiconductor  att / dial volume control / internal mic / full  areo) / output jack (stereo) / no joystick por	r™ CS4236 I duplex	Lagunation     Lotus SmartSuite CD-ROM     Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)		
Infrared ports	Infrared port on left side	/ IrDA 1.1 compatible / up to 4 Mbps		Fn + F2 = Battery guage		
Security Preinstalled software Warranty Service options	Microsoft Windows 95 OS 1 year - ThinkPad EasySe	d disk password / security keyhole R2 wth applications (listed on right) rv (optional Overnight Repair Option) or ca day (71 cities) / warranty extension to 3 o		Fn+F3 = Standby Fn+F4 = Suspend Fn+F7 = LCD/CRT/Simultaneous Fn+F11 = Power mgmt Fn+F12 = Hibernation		
provide cable manage and CardBus PC Car	nced Port Replicator ement, additional I/O ports, d slots. Features include: to secure the ThinkPad	- 16 MB SO DIMM 3.3v NP EDO 64 bit 9	92G7340 92G7341 92G7342	Easy-Setup is entered by holding F1 when turning on.		
380, PC Cards, and Port Replicator conne - USB - Serial (9 pin); paralle	Port Replicator ectors: el (EPP, ECP, 25 pin)	- 64 MB SO DIMM 3.3v NP EDO 64 bit 7 - ThinkPad 560 Port Replicator 4 - ThinkPad 380/385 Port Replicator 5 - ThinkPad Enhanced Port Replicator 1 - Li-Ion Battery Pack 7	1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.2 GB = Ultra DMA/33 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4			
<ul> <li>External diskette dri</li> </ul>	15 pin) - not on system ve conntr - not on system equires AC power; can not	- 35 watt AC Adapter (slim, barrel) 7 - 8 x CD-ROM 7 - 2.1 GB HDD 13 ms 7 - 3.2 GB Disk 13 ms 7 - 5.1 GB Disk 12 ms 7 - 33.6 Kbps Modem with XJACK 7 - 56K PC Card Modem Kit 7	FEATURES OF 380 MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup			
Features of the PC C: - Two Type III slots (s - PC Card Standard 9 - CardBus compliant - 8/16 bit PC Card superson to the complete of the comp	side by side) 5 compliant (PCI 2.1 / 32 bit) oport (no Zoomed Video) PCI1131 controller			International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

IBM® ThinkPad®:	→ 380D  12.1" SVGA DSTN or TFT	/ 8 x CD-RO	M					
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium <sup>a</sup> 150/60 MHz or None 256 KB / write-through / di Internal 3.5" 1.44 MB / use None since diskette intern 5.25" CD-ROM / 8 x spee	irect mapped e simultaneou al	1/8 ns/synchronous pipe usly with CD-ROM/on rigl	lined burst ht side	er to L2 cache / 64 bit transfer to memory novable / on right side			
Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2635-2AU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz 1.35 GB / 13 ms / PIO Mo EIDE / PCI 2.1 / supports of		2635-3AU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz with MMX te 2.1 GB / 13 ms / PIO Mo disk / no DMA or busmaste	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up ot removeable / upgrade only by IBM or dealer				
Display - size and type Display - techology	12.1 inch DSTN color SVGA / 640 x 480 or 800 x Dual scan 65,536 sim colors / 30 to 1		12.1 inch TFT color SVGA / 640 x 480 or 800 Black Matrix TFT - active 65,536 simultaneous colo	e matrix	contrast ratio ratio			
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125 MB / iDRAM™ (emb PCI 2.1 / 32 bit / external S Simultaneous LCD and CR	edded) / cold VGA to 1024	or space conversion and ir 4 x 768 with 256 colors	elerator / Zoonterpolation i	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw			
Memory - std / max Memory - features	16 MB / 80 MB / non-parity			64 MB / sock	et accessed from bottom via screw			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fr External keyboard support TrackPoint III™ / no drag lo	key function with option c	ns) / keyboard slope with Po	ort Replicator	WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16)			
Dimensions Weight  Battery - type / life	11.8 x 9.2 x 2.4" (260 cubi 7.1 pounds (3.2 kg) NiMH / non-intelligent / 2.0		6.9 pounds (3.1 kg) Li-Ion / non-intelligent / 2.	6 hrs	ThinkPad Features Program     SystemSoft CardWorks™     Diskette Factory and Utilities			
Charge time - on / off Architecture	3.5 to 9 hrs / 2.5 to 3.5 hrs PCI 2.1 / 32 bit / 33 Mhz (B ISA (audio, diskette, serial	l, parállel, infi	rared)	,	Triton CoSession™ Host     NetFinity for Windows 95     Puma TranXit™     IntelliLink Connect			
Docking Station Port replicator	None  ① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator 7. Media Player							
PCMCIA™ slots  Serial / parallel ports	2 Type I or 2 Type II or 1 Ty PCMCIA 2.1 compatible / P One 9 pin; 16550A / one (II	PC Card Stand EEE P1284- <i>F</i>	dard 95 / Cirrus Logic CL-P A, EPP, ECP, bidirectional)	D6729 (PCI)	IntelliQuest Registration Mailer     CompuServe WinCIM     Lotus Organizer     Tegonomics			
Other features Video in/out Data/fax modem Audio support Audio in/out jacks	None None 16 bit audio chip / 20 voice One internal speaker / .5 w Input/microphone jack (ste	e MIDI FM Syr vatt / dial volu reo) / output	tor™CS4236 ull duplex	Marketing Demo     Lotus SmartSuite CD-ROM     Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)				
Infrared ports Security	Infrared port on left side Power-on password / Hard		<u> </u>		Fn + F2 = Battery guage Fn + F3 = Standby			
Preinstalled software Warranty Service options	Microsoft Windows 95 OSI 1 year - ThinkPad EasySe On-site, M-F, 8-5, next bus	R2 wth applic rv (optional C	cations (listed on right) Overnight Repair Option) or		Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation			
provide cable manage and CardBus PC Car	nced Port Replicator ement, additional I/O ports, d slots. Features include:	- 8 MB SO I - 16 MB SO	ThinkPad 380: DIMM 3.3v NP EDO 64 bit DIMM 3.3v NP EDO 64 bit	92G7340 92G7341 92G7342	Easy-Setup is entered by holding F1 when turning on.			
380, PC Cards, and Port Replicator conne - USB - Serial (9 pin); paralle	ectors: el (EPP, ECP, 25 pin)	- 32 MB SO - 64 MB SO - ThinkPad - ThinkPad - ThinkPad - Li-Ion Bat	1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.2 GB = Ultra DMA/33 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4					
<ul> <li>External diskette dri</li> </ul>	pin)  15 pin) - not on system ve conntr - not on system equires AC power; can not	- 35 watt At - 8 x CD-Rt - 2.1 GB HI - 3.2 GB Di - 5.1 GB Di - 33.6 Kbps	C Ådapter (barrel, slim) OM DD 13 ms isk 13 ms	FEATURES OF 380 MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup				
- Texas Instruments F - Requires no PCI-to-	side by side) 5 compliant (PCI 2.1 / 32 bit) port (no Zoomed Video) PCI1131 controller				International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

#### Tim ThinkPad 380E - withdrawn

IBM® ThinkPad®:	<b>380E</b> 12.1" SVGA FRSTN				
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium® MMX 150/60 M None 256 KB / write-through / d Internal 3.5" 1.44 MB / on None since diskette intern		emory		
Type - model (code) Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2.1 GB / 13 ms / PIO Mod		All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up ot removeable / upgrade only by IBM or dealer		
Display - size and type Display - techology	12.1 inch FRSTN color SVGA / 640 x 480 or 800 x Dual scan / Fast Respons 65,536 simultaneous color	e Super Twisted Nematic (FRSTN) / 150 ms / 70 nits	3		
Graphics - controller Graph - arch/data path Graphics - features	1.125 MB / iDRAM™ (emb	a128ZV™ (NM2093) /128 bit SVGA accelerator / Zoo edded) / color space conversion and interpolation i sVGA to 1024 x 768 with 256 colors RT / 150 degree tilt	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw		
Memory - std / max Memory - features		44 pin EDO SO DIMM of 8, 16, 32, or 64 MB / sock	et accessed from bottom via screw		
Keyboard / # of keys External keyboard Pointing / palm rest		n key functions) / keyboard slope with Port Replicator with option cable 06G8619 or Port Replicator ock keys	WINDOWS 95 PRELOAD		
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubi 6.7 pounds (3.0 kg)	ic inches)	- Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program		
Battery - type / life Charge time - on / off	NiMH / non-intelligent / 2.0 3.5 to 10 hrs / 2.8 hrs	hrs	- ThinkPad Features Program - SystemSoft CardWorks™ - Diskette Factory and Utilities 1. Artisoft CoSession™ Host 2. NetFinity for Windows 95 3. Puma TranXit™		
Architecture	ISA (audio, diskette, serial	EIDE, graphics, PCMCIA, Port Replicator) , parallel, infrared) PCIset / Intel 82371MX PIIX / NS PC87338			
Docking Station Port replicator  PCMCIA™ slots  Serial / parallel ports	None ① ThinkPad Enhanced Pot ③ ThinkPad Enhanced Pot ② Type I or 2 Type II or 1 Ty PCMCIA 2.1 compatible / F One 9 pin; 16550A / one (II	rt Replicator, ② ThinkPad 560 Port Replicator,	4. IBM Anti-Virus 5. IBM Global Network (IGN Dialer) 6. Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer 9. Ergonomics 10. PointCast (with ThinkPad channel)		
Other features Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks	None None (software support for None 16 bit audio chip / 20 voice One internal speaker / .5 w Input/microphone jack (ste	MPEG-1 in Windows 95)  e MIDI FM Synthesis / CS4236B  vatt / dial volume control / int mic / full duplex spk/mic  ereo) / output jack (stereo) / no joystick port	11. Marketing Demo 12. Voyetra Audio Station 13. Quicken SE - Lotus SmartSuite CD-ROM - Recovery CD-ROM with boot diskette		
Infrared ports Security	<u> </u>	/ IrDA 1.1 compatible / up to 4 Mbps disk password / security keyhole / personalization	Fn + F2 = Battery guage Fn + F3 = Standby		
Preinstalled software Warranty Service options	Microsoft Windows 95 OSI 1 year - ThinkPad EasySe	R2 wth applications (listed on right) rv (depot repair service) or carry-in s day (71 cities) / warranty extension to 3 or 5 years	Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation		
and CardBus PC Card	ement, additional I/O ports, d slots. Features include:	OPTIONS - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341	Easy-Setup is entered by holding F1 when turning on.		
380, PC Cards, and Port Replicator conne - USB - Serial (9 pin); paralle - External display (15 - Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (1 - External diskette dri - Power connector (re run on battery) Features of the PC Ca - Two Type III slots (5 - PC Card Standard 9 - CardBus compliant (	ctors: el (EPP, ECP, 25 pin) pin)  15 pin) - not on system ve conntr - not on system quires AC power; can not ard slots: ide by side) 5 compliant PCI 2.1 / 32 bit) port (no Zoomed Video) CI1131 controller	- 16 MB SO DIMM NP EDO 64 bit (new) 01K1124 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad 380/385 Li-lon Battery (old) 73H9793 - ThinkPad 380/385 Li-lon Battery 02K6507 - 35 watt AC Adapter (barrel, slim) 76H0139 - 56 watt AC Adapter (barrel; 3 prong) 83H6739 - 8 x CD-ROM 73H9795 - 2.1 GB Disk 13 ms 73H9797 - 3.2 GB Disk 13 ms 02K0487 - 3.1 GB Disk 12 ms 02K0506 - 33.6 Kbps Modem with XJACK 55H6759 - 56K PC Card Modem/Cellular Capable 02K4196	1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.0 GB = DMA Mode 2 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4  FEATURES OF 380 MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

IBM® ThinkPad®							
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	None 256KB / write-through / di Internal 3.5" 1.44MB / use None since diskette intern	rect mapped simultaneou al	/8ns/synchronous pipeli usly with CD-ROM/on righ	ned burst at side	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up able / not removable / on right side		
Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	> 2635-5AU Windows 95 OSR2 September 1997 / Septem 2.1GB <sup>4</sup> / 13ms / PIO Mod	ber 1998 e 4	> 2635-6AU Windows 95 OSR2 September 1997 / Septem 3.0GB / 13ms / PIO Mod	ber 1998 e 4	: 2635-7AU indows 95 OSR2 eptember 1997 / September 1998 1GB / 12ms / PIO Mode 4 not removeable / upgrade only by IBM or dealer		
Display - size and type Display - techology	12.1 inch FRSTN color SVGA / 640x480 or 800x6 Dual scan / FRSTN / 150i 65,536 sim colors / 35 to 1	ms / 70 nits	12.1 inch TFT color SVGA / 640x480 or 800x6 Active Matrix TFT / 75ms 65,536 simultaneous color	/ 100 nits	contrast ratio ratio		
Graphics - controller  Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125MB / iDRAM™ (emb PCI 2.1 / 32-bit / external S Simultaneous LCD and CF	edded) / cold SVGA to 102	or space conversion and in 4 x 768 with 256 colors	elerator / Zo terpolation i	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw		
Memory - std / max Memory - features	16MB / 80MB / non-parity 1 socket for one JEDEC 1			64MB / sock	et accessed from bottom via screw		
Keyboard / # of keys External keyboard Pointing / palm rest		t with option (	ns) / keyboard slope with Po cable 06G8619 or Port Rep		WINDOWS 95 PRELOAD16		
Dimensions Weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cub 7.0 pounds (3.2 kg)				Microsoft Windows 95 OSR2 (FAT16)     Online User's Guide     Think Dod Footures Program		
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 2.0 4.2 to 12 hrs / 3.3 hrs	hrs	Li-lon/non-intelligent/2.5	hrs	<ul> <li>ThinkPad Features Program</li> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> </ul>		
Architecture	PCI 2.1 / 32-bit / 33MHz (I ISA (audio, diskette, seria	I, parallel, inf	cs, PCMCIA, Port Replica rared) I 82371MX PIIX / NS PC87		Artisoft CoSession™ Host     NetFinity for Windows 95     Puma TranXit™		
Docking Station Port replicator PCMCIA™ slots Serial / parallel ports	Mone ThinkPad Enhanced Po ThinkPad 380/385 Port Type I or 2 Type II or 1 Ty PCMCIA 2.1 compatible / F One 9 pin; 16550A / one (I	rt Replicator, Replicator ype III <b>/ Zoor</b> PC Card Stan	IBM Anti-Virus     IBM Global Network (IGN Dialer)     Netscape Navigator browser     Media Player     IntelliQuest Registration Mailer     Ergonomics				
Other features Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks	APM-aware BIOS / University None None (software support fo None 16-bit audio / 20 voice MIE One internal speaker / .5 v Input/microphone jack (ste	sal AC adaptor r MPEG-1 in DI FM Synthes vatt / dial volu	PointCast (with ThinkPad channel) Marketing Demo Voyetra Audio Station Quicken SE Lotus® SmartSuite CD-ROM Recovery CD-ROM with boot diskette Windows 95 CD-ROM (no installation)				
Infrared ports	Infrared port on left side	/ IrĎA 1.1 co	mpatible / up to 4Mbps		Fn + F2 = Battery guage Fn + F3 = Standby		
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	Microsoft® Windows® 95 C 1 year - ThinkPad EasySe	SR2 wth apperv (door-to-d	ord / security keyhole / persolications (listed on right) loor depot repair service) or es) / warranty extension to	r carry-in	Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation		
	ced Port Replicator ement, additional I/O ports, d slots. Features include:		OPTIONS DIMM 3.3v NP EDO 64-bit DIMM 3.3v NP EDO 64-bit	92G7340 92G7341	Easy-Setup is entered by holding F1 when turning on.		
- Dual IBM lock slots t 380, PC Cards, and I Port Replicator conne - USB - Serial (9 pin), paralle	ctors:	- 16MB SO - 32MB SO - 64MB SO - ThinkPac - ThinkPac	DIMM NP 64-bit (new) DIMM 3.3v NP EDO 64-bit DIMM 3.3v NP EDO 64-bit 1560 Port Replicator 1380/385 Port Replicator	1.08GB = DMA Mode 2 or PIO Mode 4 1.35GB = DMA Mode 2 or PIO Mode 4 2.1GB = DMA Mode 2 or PIO Mode 4 3.0GB = DMA Mode 2 or PIO Mode 4 5.1GB = Ultra DMA/33 or PIO Mode 4			
- External display (15 - Keyboard - Mouse - Audio in (3.5 mm) - Joystick/MIDI port (1 - External diskette driv - Power connector (re run on battery) Features of the PC Ca - Two Type III slots (s - PC Card Standard 9: - CardBus compliant (	pin) 5 pin) - not on system 7 c conntr - not on system 9 quires AC power; can not 1 ard slots: 1 de by side) 5 compliant 1 PCI 2.1 / 32-bit) 1 poport (no Zoomed Video) 1 Cl1131 controller	- ThinkPac - ThinkPac - 35 watt A - 56 watt AR - 8X CD-R - 2.1GB Di - 3.2GB Di - 5.1GB Di - 33.6Kbps	Enhanced Port Replicator 380/385 Li-Ion Battery (old) 380/385 Li-Ion Battery C Adapter (barrel; slim) Adapter (barrel; 3 prong) DM sk 13ms sk 13ms		FEATURES  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant Personalization screen at startup International Warranty Service 14 IBM SystemXtra <sup>TM</sup> 24 hour / 7 day telephone 30, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

IBM <sup>®</sup> ThinkPad <sup>®</sup>						
Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM	No upgrade / processor, I 512KB / write-through / di Internal 3.5" 1.44MB / use None since diskette intern	33/66 or 266/66MHz <sup>1</sup> / 64-bit to L2 cache and mem 2 cache, and MTXC (North Bridge) on Intel Mobile rect mapped / 8.5ns data; 15ns tag / sync pipelined simultaneously with CD-ROM / on right side al 5 speed / CAV / multi-session / XA / ATAPI / bootable	Module disk, diskette drive, and CD-ROM are all within the covers of the notebook; removable disk; keyboard does not lift up			
Type - model Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2635-8AU 233/66MHz Windows 95 OSR2 March 1998 / September 1 3.2GB <sup>4</sup> / 13ms / PIO Mod	2635-BAU (Auth Assb Prog) 233/66MHz None 998 March 1998 / Sept 1998 March 1998	2635-AAU 266/66MHz 5 OSR2 Windows 95 OSR2 / Sept 1998 March 1998 / Sept 1998 5.1GB / 12ms / PIO Mode 4			
Display - size and type Display - techology  Graphics - controller  Graph - arch/data path Graphics - features	SVGA / 640x480 or 800x6 Dual scan / HPA / 150ms / 16 mil sim colors / 50 to 1 NeoMagic™ MagicGrapl 2MB / iDRAM™ (embedde	100 nits   Active Matrix TFT / 75ms / 100 nits contrast   16.7 million simultaneous colors / 100 to 1128XD™ (NM2160B) / 128-bit SVGA accelerator / 2 cd) / color space conversion and interpolation in X active SVGA to 1024x768 with 65,536 colors	Zoomed Video support / DDC1 and DDC2B			
Memory - std / max Memory - features	32MB / 96MB / non-parity	/ 3.3 volt / EDO / 60ns 44 pin EDO SO DIMM of 8, 16, 32, or 64MB / sock	et accessed from hottom via screw			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 F	key functions) / keyboard slope with Port Replicator with option cable 06G8619 or Port Replicator	WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2.1 (FAT16)			
Dimensions / weight <sup>2</sup>		ic inches) / 7.1 pounds (3.2 kg)	Internet Explorer 4.0     Online User's Guide			
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 8 4.2 to 12 hrs / 3.3 hrs	AU: 3.5 hrs; 9AU: 4.5 hrs; AAU: 4.0 hrs	<ul> <li>ThinkPad Configuration Program</li> <li>SystemSoft CardWorks™</li> </ul>			
Architecture	ISA (audio, diskette, serià	EIDE, graphics, PCMCIA, USB) I, parallel, infrared) / NS PC97338 (FDC, IR, I/O) I Intel PIIX4 (EIDE, USB, PCI to ISA bridge) DA PCMCIA controller	<ul> <li>Diskette Factory and Utilities</li> <li>Artisoft ConfigSafe</li> <li>NetFinity for Windows 95</li> <li>Puma TranXit™</li> </ul>			
Docking station Port replicator	3 ThinkPad 380/385 Port	rt Replicator, ② ThinkPad 560 Port Replicator, Replicator	IBM Anti-Virus     IBM Global Network (IGN Dialer)     Netscape Navigator browser     Intel LANDesk Client Manager (via web)			
PCMCIA™ slots  USB / serial / parallel  Other features	PCMCIA 2.1 compatible / One USB / one 9 pin; 165	Fype III / CardBus 32-bit PCI / Zoomed video PC Card Standard 95 50A / one (IEEE P1284-A, EPP, ECP, bidirectional) cal AC adapter; barrel (56 watts)	IntelliQuest Registration Mailer  Frgonomics  PointCast (with ThinkPad channel)			
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	None None (software support for None 16-bit / CS4237B / SRS 3 Two front stereo speakers Dial volume control (left so Input/microphone jack (st	or MPEG-1 in Windows 95)	Marketing Demo Tivoli Lightweight Client Framework ThinkPad on the Net Personalization Editor ThinkPad Customization Lotus SmartSuite 97 Recovery CD-ROM with boot diskette Windows 95 CD-ROM (no installation)			
Security	Power-on password / sup	ervisor password / hard disk password /	3.2GB = DMA Mode 2 or PIO Mode 4			
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - ThinkPad EasySe	Iscalon screen at startup ISR2 wth applications (listed on right) rv (door-to-door depot repair service) or carry-in s day (71 cities) / warranty extension to 3 or 5 years	4.0GB = DMA Mode 2 or PIO Mode 4 5.1GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant			
The <b>ThinkPad Enhar</b> provide cable manage	nced Port Replicator ement, additional I/O ports,	OPTIONS  - 8MB SO DIMM 3.3v NP EDO 64-bit 92G7340	<ul><li>Fn + F2 = Battery guage</li><li>Fn + F3 = Standby</li><li>Fn + F4 = Suspend</li></ul>			
	d slots. Features include: o secure the ThinkPad,	- 16MB SO DIMM 3.3v NP EDO 64-bit 92G7341 - 16MB SO DIMM NP EDO 64-bit (new) 01K1124 - 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342	Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation			
Port Replicator conne - USB, serial (9 pin), p - External display (15 - Keyboard and mous - Audio in (3.5 mm) ar - Joystick/MIDI port (1 - External diskette driv - Power connector (re run on battery) Features of the PC Ca - Two Type III slots conditions - PC Card Standard 9 - CardBus compliant (	ctors: parallel (25 pin) pin) e d audio out (3.5 mm) 5 pin) - not on system ve conntr - not on system quires AC power; can not ard slots: ide by side) 5 compliant PCI 2.1/32-bit) poort (no Zoomed Video) CI1131 controller	- 64MB SO DIMM 3.3v NP EDO 64-bit - ThinkPad 560 Port Replicator - ThinkPad 380/385 Port Replicator - ThinkPad 380/385 Li-lon Battery (old) - ThinkPad 380/385 Li-lon Battery - 56 watt AC Adapter (barrel; 3 prong) - 4.0GB disk, 13ms - 6.4GB disk, 13ms - 6.4GB disk, 13ms, Ultra DMA/33 - 33.6Kbps Modem with XJACK - 56K PC Card Modem Kit - 56K PC Card Modem/Cellular cpble - 10/100 Ethernet CardBus PC Card  Easy-Setup is entered by holding F1 when turning on.	FEATURES  Wired for Management 1.1a DMI 2.0 compliant PC 97 compliant Setup Guide and User's Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>TM</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service			

IBM <sup>®</sup> ThinkPad <sup>®</sup>								
Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM	No upgrade / processor, I 512KB / write-back / 4 wa Internal 3.5" 1.44MB / use None since diskette intern	_2 cache, ay set ass e simultar nal	or 266/66MHz <sup>1</sup> / 64-bit to L2 cache and me and memory cntr (North Bridge) on Mobile sociative / sync pipelined burst / ECC / 1/2 s neously with CD-ROM / on right side CAV / multi-session / XA / ATAPI / bootable	Module disk, diskette drive, and CD-ROM are all within the covers of the notebook; removable disk; keyboard does not lift up				
Type - model Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	4.0GB4 / 13ms / PIO Mod							
Display - size and type Display - techology	12.1 inch HPA color SVGA / 640 x 480 or 800 : Dual scan / HPA / 150ms / 16 mil sim colors / 50 to 1	100 nits	12.1 inch TFT color SVGA / 640 x 480 or 800 x 600 Active Matrix TFT / 75ms / 100 nits 16.7 million simultaneous colors / 100 to 1	contrast ratio ratio				
Graphics - controller Graph - arch/data path Graphics - features	2MB / iDRAM™ (embedde	ed) / color SVGA to 1	(NM2160B) /128-bit SVGA accelerator / Z r space conversion and interpolation in X a 1024 x 768 with 65,536 colors	oomed Video support / DDC1 and DDC2B				
Memory - std / max Memory - features	32MB / 96MB / non-parity		/ EDO / 60ns DO SO DIMM of 8, 16, 32, or 64MB / socke	at accessed from bottom via screw				
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 F	n key fund t with opti	ctions) / keyboard slope with Port Replicator on cable 06G8619 or Port Replicator	WINDOWS 95 PRELOAD¹6  - Microsoft Windows 95 OSR2.1 (FAT16)  • Internet Explorer 4.0				
Dimensions / weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cub		, , , , , , , , , , , , , , , , , , , ,	Online User's Guide				
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / EA 4.2 to 12 hrs / 3.3 hrs	\U: 3.1 hr	s; FAU: 4.0 hrs	<ul> <li>ThinkPad Configuration Program</li> <li>SystemSoft CardWorks™</li> </ul>				
Architecture	ISA (audio, diskette, seria Intel <b>440BX</b> PCIset / Intel	4.2 to 12 firs / 3.3 firs  PCI 2.1 / 32-bit / 33Mhz (EIDE, graphics, PCMCIA, USB) ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel 440BX PCIset / Intel PIIX4 (EIDE, USB, PCI to ISA bridge)  Texas Instruments® T11250A PCMCIA controller  • Systemsoft Cardworks™  • Diskette Factory and Utilities • ConfigSafe • NetFinity for Windows 95 • Puma TranXit™  • Puma TranXit™						
Docking station Port replicator	None	rt Replica	ator. ② ThinkPad 560 Port Replicator.	IBM Anti-Virus     IBM Global Network (IGN Dialer)     Netscape Navigator browser     Intel LANDesk Client Manager (via web)     IntelliQuest Registration Mailer     Ergonomics				
PCMCIA™ slots	2 Type I or 2 Type II or 1 PCMCIA 2.1 compatible /	Type III / PC Card	CardBus 32-bit PCI / Zoomed video					
USB / serial / parallel Other features	APM-aware BIOS / Univer		PointCast (with ThinkPad channel)     Marketing Demo					
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	None None (software support for None 16-bit / CS4237B / SRS 3 Two front stereo speakers Dial volume control (left s Input/microphone jack (st Infrared port on left side /	BD audio , s (.5 watt) ide) / inte ereo) / ou	Tivoli Lightweight Client Framework ThinkPad on the Net Personalization Editor ThinkPad Customization Lotus® SmartSuite 97 Recovery CD-ROM with boot diskette Windows 95 CD-ROM (no installation)					
Security	Power-on password / sup- security keyhole / persona		assword / hard disk password /	4.0GB = DMA Mode 2 or PIO Mode 4 5.1GB = Ultra DMA/33 or PIO Mode 4				
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	Microsoft® Windows® 95 C 1 year - ThinkPad EasySe	OSR2.1 w erv <sup>31</sup> (doo	ith applications (listed on right) r-to-door depot repair service) or carry-in 2 cities) / serv up to 5 yrs from purchase da	6.4GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant  F n + F2 = Battery guage				
The <b>ThinkPad Enhar</b> provide cable manage and CardBus PC Card		Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation						
PC Cards, and Port I		- 64MB	SO DIMM 3.3v NP EDO 64-bit 92G7342 SO DIMM 3.3v NP EDO 64-bit 76H0268	FEATURES				
- External diskette dri	parallel ( 25 pin) pin) e d audio out (3.5 mm) 15 pin) - not on system ve conntr - not on system equires AC power; can not	- ThinkP - ThinkP - ThinkP - 56 wat - 4.0GB - 6.4GB - V.90 P	lad 560 Port Replicator ad 380/385 Port Replicator ad Enhanced Port Replicator ad 380/385 Li-lon Battery 02K6507 t AC Adapter (barrel; 3 prong) disk, 13ms 05K8871 disk, 13ms, Ultra DMA/33 C Card Modem with XJACK <sup>24</sup> 40L7393	DMI 2.0 compliant PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM Catalog, Introducing Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant				
- Two Type III slots (s - PC Card Standard 9 - CardBus compliant (	ide by side) 5 compliant (PCI 2.1 / 32-bit) oport (no Zoomed Video) PCI1131 controller	turning o	etup is entered by holding F1 when	International Warranty Service <sup>14</sup> IBM SystemXtra™ Program 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support				

IBM <sup>®</sup> ThinkPad <sup>®</sup>							
Processor Processor features L2 cache Diskette drive External FDD port CD-ROM	Intel® Mobile Pentium® II No upgrade / processor, L 512KB / sync pipelined bi Internal 3.5" 1.44MB / use None since diskette interr 5.25" CD-ROM / 24X-10X	_2 cache, and MTXC urst / ECC / half speed s simultaneously with nal	(North Bridge) on Intel d CD-ROM / on right side	Э	ule <b>disk, d</b> are all notebo kevbo	one integration means the liskette drive, and CD-RON within the covers of the ook; removable disk; ard does not lift up / on right side	
Type - model Processor Preload (see side) Disk - size / ms Disk controller	2635-HGU 26 Pentium II 233MHz Po	635-JGU entium II 300MHz /indows 98 ns write / SMART one internal disk / dis	2635-HBU Pentium II 233MHz NT 4.0	2635-JBU Pentium NT 4.0	J II 300MHz	2635-JCU (AAP) Pentium II 300MHz None None	
Display - size and type Display - techology	13.3 inch TFT color XGA / 640x480 or 800x60 16.7 million simultaneous			100 nits	- D: dri	ive is FAT16 of 2GB ive is FAT32 (if W98) or 6 (if NT) of remaining space	
Graphics - controller Graphics - external Graphics - features	NeoMagic™ MagicMedia 2.5MB / SDRAM (embedo External SVGA to 1024x7 Simultaneous LCD and CF	ded) / <b>motion compe</b> 68 with 16.7 million co	ensation / color space o plors at 85Hz	conversion /	/ interpolation		
Memory - std / max Memory - features	<b>32MB</b> / 96MB or 160MB* / 1 socket for one JEDEC 1 socket accessed from both	144 pin EĎO SO DIM	EDO / 60ns M of 16, 32, or 64MB /	•	Microsoft® W Online User'	/indows® 98	
Keyboard / # of keys External keyboard Pointing	Full size alp/num / 85 (6 F External keyboard suppor TrackPoint® / Press-to-Se	t with option cable 06	G8619 or Port Replicato	eplicator • e	ThinkPad Ut IBM Update RingCentral	ilities Connector	
Dimensions Weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cub 7.2 pounds (3.3 kg) with b		x 233.0mm x 62.0mm	•	Ergonomics IBM Registra	ation	
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / F 4.2 to 12 hrs / 3.3 hrs	Hxx: 3.1 hrs; Jxx: 3.3	hrs	•	IBM Global N	Sync 97 (infrared) Network Dialer avigator web browser	
Architecture  Docking station Port replicator PC Card Std slots USB / serial / parallel Other features	Intel 440BX PCIset / Intel Texas Instruments® T1125 PCI 2.1 / 32-bit / 33MHz (ISA (audio, diskette, serial None ThinkPad Port Replicator 2 Type I, 2 Type II, or 1 Tyrone USB / one 9 pin; 1650 APM-aware BIOS / University	60A PCMCIA controlle EIDE, graphics, PCM II, parallel, infrared) with Advanced Ether pe III / CardBus 32-bit 50A / one (IEEE P128	IR, I/O) • • • • • • • Replor       i video       i video	Lotus® SmartSuite 97 (CD)     ConfigSafe     Norton AntiVirus (OEM Version)     ThinkPad on the Net (TCC CD)     Customization Center CD-ROM     Lotus SmartSuite 97 CD-ROM     Product Recovery CD-ROM (with boot diskette)			
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	None None (software support for None 16-bit / CS4237B / SRS 3 Two front stereo speakers Dial volume control (left s Input/microphone jack (st Infrared port on left side /	D audio / FM synthes s (.5 watt) / one subw ide) / internal micropl tereo) / output jack (s	(1 watt)				
Security	Power-on password / supe security keyhole / persona	alization screen at star	tup .	•	Puma IntelliSync 97 (infrared)     IBM Registration     Ergonomics		
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>1 year</b> - carry-in or ThinkP On-site <sup>32</sup> , M-F, 8-5, next b from purchase date			5 years			
management, additio	Replicator with Feature provides cable nal I/O ports, CardBus PC 00 ethernet with Wake on	- 32MB SO DIMM 3 - 64MB SO DIMM 3	OPTIONS 3.3v NP EDO 64-bit 01h 3.3v NP EDO 64-bit 920 3.3v NP EDO 64-bit 76h 4 Poplicator 46h	37342 6	.0GB = Ultra .4GB = Ultra	DMA/33** or PIO Mode 4 DMA/33** or PIO Mode 4 MART compliant	
	el 82558, Wake on LAN) to secure the ThinkPad, Replicator	<ul><li>ThinkPad 560 Por</li><li>Port Replicator w/</li><li>ThinkPad 380/385</li><li>56 watt AC Adaptor</li></ul>	K4872 K6507 H6739 <b>W</b>		FEATURES agement 1.1a compliant		
external display, keyl - Audio in and out (3.5 - Joystick/MIDI port (1		- 10/100 Ethernet C - ThinkPad Proven	ns, Ultra DMA/33 02h dem with XJACK <sup>24</sup> 10L em/Cellular cpble 02h cardBus PC Card 08L	(0518   P .7393   A (4196   S .3147   P	ystem Status lug and Play 1 tandby, suspe	ant PM enabled) nd User's Guide Indicators 1.0a end, safe suspend (RediSafe	
Features of the PC Ca - Two Type III slots (s - PC Card Standard 9 - CardBus compliant ( - PCMCIA 2.1 (no Zoo - TI 1250A controller - Requires no PCI-to-F	ide by side) 5 compliant (PCI 2.1 / 32-bit) omed Video)	E In IE 2	and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra® 35 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support				

All trademarks are the property of their respective owners

\* Maximum memory capacity with 128MB SO DIMM from ThinkPad Proven vendor

\*\* Bus length limits EIDE controller (only on 380Z) to DMA Multi-Word Mode 1 (13MB/sec)

No warranties are expressed or implied in this summary (380Z) © IBM Corp. July 1999

### ThinkPad 385D (Retail models) - withdrawn

IBM® ThinkPad®:	<b>385D</b> 12.1" SVGA DSTN or TFT							
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium® 150/60 MHz or None 256 KB / write-through / di Internal 3.5" 1.44 MB / use None since diskette interna 5.25" CD-ROM / 8 x speed	rect mapped simultaneou	I / 8 ns / synchronous pipeli usly with CD-ROM / on righ	ned burst t side	er to L2 cache / 64 bit transfer to memory			
Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	<b>2635-2EU Windows 95 OSR2</b> May 1997 / January 1998 <b>150/60 MHz 1.35 GB</b> / 13 ms / PIO Mod EIDE / PCI 2.1 / supports of		2635-3EU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz with MMX ted 2.1 GB / 13 ms / PIO Mo disk / no DMA or busmaste	de 4	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up ot removeable / upgrade only by IBM or dealer			
Display - size and type Display - techology	12.1 inch DSTN color SVGA / 640 x 480 or 800 x Dual scan 65,536 sim colors / 30 to 1		12.1 inch TFT color SVGA / 640 x 480 or 800 Black Matrix TFT - active 65,536 simultaneous colo	matrix	contrast ratio ratio			
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125 MB / iDRAM™ (emb PCI 2.1 / 32 bit / external S Simultaneous LCD and CR	edded) / cold VGA to 1024	or space conversion and in x 768 with 256 colors	elerator / Zoc terpolation in	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw			
Memory - std / max Memory - features	16 MB / 80 MB / non-parity			4 MB / sock	et accessed from bottom via screw			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fn External keyboard support TrackPoint III™ / no drag lo	key function with option c ock keys		rt Replicator	WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Lotus SmartSuite			
Dimensions Weight Battery - type / life Charge time - on / off	11.8 x 9.2 x 2.4" (260 cubir 7.1 pounds (3.2 kg)  NiMH / non-intelligent / 2.0		6.9 pounds (3.1 kg) Li-lon / non-intelligent / 2.6	6 hrs	<ul> <li>WordPro Word Processor</li> <li>1-2-3 Spreadsheet</li> <li>Freelance Graphics</li> <li>Approach Database</li> </ul>			
Architecture	PCI 2.1 / 32 bit / 33 Mhz (E ISA (audio, diskette, serial	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) ISA (audio, diskette, serial, parallel, infrared) - Organizer Scheduler - IBM Global Network (IGN) - NetScape Navigator Browser						
Docking Station Port replicator	None ① ThinkPad Enhanced Por ③ ThinkPad 380/385 Port R	<ul> <li>AOL, AT&amp;T WorldNet, CompuServe</li> <li>Media Player</li> <li>Active Movie (MPEG-1, AVI)</li> <li>Video for Windows</li> </ul>						
PCMCIA™ slots  Serial / parallel ports  Other features	2 Type I or 2 Type II or 1 Ty PCMCIA 2.1 compatible / P One 9 pin; 16550A / one (IE APM-aware BIOS / Univers	C Card Stand EEE P1284- <i>F</i>	D6729 (PCI)	- CD Audio Player - MIDI Sequencer - Quicken SE				
Video in/out MPEG decoder Data/fax modem Audio support  Audio in/out jacks Infrared ports	None None None 16 bit audio chip / 20 voice One internal speaker / .5 w Input/microphone jack (ste Infrared port on left side /	e MIDI FM Syr att / dial volu reo) / output	nthesis / Crystal Semiconduct me control / internal mic / fu jack (stereo) / no joystick po	or™ CS4236 ill duplex	Expensable     Wall Street Money SE     National Golf Course Directory     Rand McNally's Trip Maker     IBM Anti-Virus     IBM Online Housecall     IBM Update Connector     IntelliLink Connect			
Security	Power-on password / Hard		, ,		- TranXit - Online User's Guide			
Preinstalled software Warranty		rv (optional C	vernight Repair Option) or	carry-in	SystemSoft Card Works     Password Protected Marketing Demo			
and CardBus PC Card  - Dual IBM lock slots t 385D, PC Cards, and Port Replicator conne - USB - Serial (9 pin); paralle	ement, additional I/O ports, d slots. Features include: to secure the ThinkPad d Port Replicator ectors:	-8 MB SO I -16 MB SO -32 MB SO -64 MB SO -ThinkPad -ThinkPad -ThinkPad -Li-lon Bat	Enhanced Port Replicator tery Pack	<b>92G7342</b> <b>76H0268</b> 46H4209 84G1316 11J8997 73H9793	<ul> <li>CD-ROMs included in the Shipping Cartor</li> <li>Preload Recovery CD w/boot diskette</li> <li>Windows 95 CD (no installation)</li> <li>Picture Perfect Golf</li> </ul>			
- External diskette driv	pin)  15 pin) - not on system we conntr - not on system quires AC power; can not	- 8 x CD-R0 - 2.1 GB HI - 3.2 GB Di - 5.1 GB Di - 33.6 Kbps - 56K PC C	DD 13 ms sk 13 ms sk 12 ms s Modem with XJACK ard Modem Kit o is entered by holding F1	76H0139 73H9795 73H9797 02K0487 02K0506 55H6759 04K0052	FEATURES OF 385D MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup			
Features of the PC Ca - Two Type III slots (s - PC Card Standard 9 - CardBus compliant ( - 8/16 bit PC Card sup - Texas Instruments P - Requires no PCI-to-I	ide by side) 5 compliant (PCI 2.1 / 32 bit) poprt (no Zoomed Video) CI1131 controller	Fn+F3 = Fn+F4 = Fn+F7 = Fn+F11 =	g on.  = Battery guage = Standby = Suspend = LCD/CRT/Simultaneous = Power mgmt = Hibernation		International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

#### III ThinkPad 385ED (Retail models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>385ED</b> 12.1" SVGA Fast Response	e STN or A	ctive Matrix / 20x max varial	ole speed CD	-ROM			
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium® MMX™ 166/66 M None 256 KB / write-through / dii Internal 3.5" 1.44 MB / use None since diskette interna 5.25" CD-ROM / 20x max	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up able / not removable / on right side						
Type - model (code) UPC code Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2635-5EU 087944350163 Windows 95 OSR2 September 1997 / July 199 2.1 GB / 13 ms / PIO Mode EIDE / PCI 2.1 / supports of	4	2635-6EU 087944343660 Windows 95 OSR2 September 1997 / July 199 3.0 GB / 13 ms / PIO Modisk / no DMA or busmaste	de 4	ot remove	eable / upgrade only by IBM or dealer		
Display - size and type Display - techology	<b>12.1</b> inch Fast Response of SVGA / 640 x 480 or 800 x Dual scan / FRSTN / 150 m 65,536 sim colors / 35 to 1 or 65,536 sim c	600 ns / 70 nits	12.1 inch Active color SVGA / 640 x 480 or 800 x Active Matrix TFT / 75 ms 65,536 simultaneous color	s / 100 nits	ontrast ra	tio ratio		
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125 MB / iDRAM™ (ember PCI 2.1 / 32 bit / external S\ Simultaneous LCD and CR	edded) / co VGA to 102	lor space conversion and in 4 x 768 with 256 colors	elerator / Zoc Iterpolation ir	med Viden X and Y	eo support / DDC1 and DDC2B axis / support for DCI, DirectDraw		
Memory - std / max Memory - features	16 MB / 80 MB / non-parity 1 socket for one JEDEC 14			64 MB / sock	et access	sed from bottom via screw		
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fn External keyboard support TrackPoint III™ / no drag lo	key functio	ns) / keyboard slope with Po	ort Replicator	- Micro	WINDOWS 95 PRELOAD posoft Windows 95 OSR2 (FAT16) s SmartSuite 97		
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubic 7.1 pounds (3.2 kg)	inches)			- Wo	rdPro Word Processor -3 Spreadsheet		
Battery - type / life Charge time - on / off	Li-lon / non-intelligent / 2.0 I 4.2 to 12 hrs / 3.3 hrs	nrs	Li-Ion / non-intelligent / 2.5	hrs	- Fre - App	elance Graphics broach Database		
Architecture  Docking Station Port replicator  PCMCIA™ slots  Serial / parallel ports Other features	PCI 2.1 / 32 bit / 33 Mhz (E ISA (audio, diskette, serial, Intel® Mobile Triton 82430 F None ① ThinkPad Enhanced Port ② ThinkPad 380/385 Port R 2 Type I or 2 Type II or 1 Typ PCMCIA 2.1 compatible / PC One 9 pin; 16550A / one (IE APM-aware BIOS / Univers	parallel, in PCIset / Inte Replicator eplicator pe III <b>/ Zoo</b> C Card Star EEE P1284-	frared) bl 82371MX PIIX / NS PC873 c, 2 ThinkPad 560 Port Repliemed Video support in lowed and 95 / Cirrus Logic CL-P-A, EPP, ECP, bidirectional)	338 cator, er slot / D6729 (PCI)	- Organizer Scheduler - ScreenCam - Ergonomics - Diskette factory and utilities - ThinkPad customization icon - IntelliQuest Registration Mailer - Voyetra Audio Station - IBM Global Network (IGN) - NetScape Navigator Browser - AOL, AT&T WorldNet, CompuServe			
Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None (software support for None 16 bit audio chip / 20 voice One internal speaker / .5 w Input/microphone jack (ster Infrared port on left side /	MIDI FM Sy att / dial vol	/nthesis / CS4236B ume control / int mic/ full dup t iack (stereo) / no iovstick p		- Act - Vid - CD - MIE - Quic - Expe	a Player ive Movie (MPEG-1, AVI) eo for Windows Audio Player DI Sequencer ken SE :nsable Street Money SE		
Security			ord / security keyhole / pers	onalization	- Natio	onal Golf Course Directory I McNally's Trip Maker		
Preinstalled software Warranty	Microsoft Windows 95 OSR 1 year - ThinkPad EasySer	2 wth appli v (optional	cations (listed on right) depot repair service) or carr	y-in	- IBM /	Anti-Virus Online Housecall		
The <b>ThinkPad Enhar</b> provide cable manage and CardBus PC Card	nced Port Replicator ement, additional I/O ports, d slots. Features include:		OPTIONS  DIMM 3.3v NP EDO 64 bit O DIMM 3.3v NP EDO 64 bit	92G7340 92G7341	- IBM I - Trani - Onlir	Jpdate Connector		
385, PC Cards, and Port Replicator conne - USB - Serial (9 pin), paralle - External display (15 - Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (4	ettors:	- 16 MB Sc - 32 MB Sc - 64 MB Sc - ThinkPac - ThinkPac - ThinkPac - ThinkPac - 35 watt A	O DIMM NP EDO 64 bit (new O DIMM 3.3v NP EDO 64 bit O DIMM 3.3v NP EDO 64 bit d 1560 Port Replicator 1380/385 Port Replicator 1580/385 Li-lon Battery (old) 1380/385 Li-lon Battery C Adapter (barrel, slim) C Adapter (barrel; 3 prong) isk 13 ms isk 13 ms	92G7342	- Point - Pass - CD-F - Pre - Wir - Pic - Quick S System Plug ar			

Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes US EPA Energy Star compliant Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

02K0506

55H6759

04K0052

- 5.1 GB Disk 12 ms

- 33.6 Kbps Modem with XJACK

- 56K PC Card Modem Kit

- Power connector (requires AC power; can not

run on battery)

No upgrade / processor, I 512KB / sync pipelined b Internal 3.5" 1.44MB / use None since diskette intern	_2 cache, and memory controller (Nourst (66MHz for Pentium / ECC and simultaneously with CD-ROM / on all	lorth Bridge) on Mo d 133MHz for Pen right side	obile Module tium II)
2635-8EU 0-87944-40513-9 Pentium 233/66MHz March 1998 / Sept 1998 2.1GB <sup>4</sup> / 13ms / PIO Mod	2635-9EU 0-87944-40514-6 Pentium 266/66MHz March 1998 / Sept 1998 e 4 3.2GB / 13ms / PIO Mode 4	2635-DEU 0-87944-41973-( Pentium II 266/6 May 1998 / Sept 3.2GB / 13ms / F	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; removable disk; keyboard does not lift up
e 12.1 inch HPA (High Performance Addressing) color SVGA / 640x480 or 800x600 / 150ms / 100 nits / 16.7 million simultaneous colors / 50 to 1 contrast			
2MB / iDRAM™ (embedde PCI 2.1 / 32-bit / external	ed) / color space conversion and in SVGA to 1024x768 with 65,536 col	terpolation in X an	
32MB / 96MB / non-parity 1 socket for one JEDEC 1 Full size alp/num / 85 (6 F External keyboard suppor TrackPoint III™ / no drag	r / 3.3 volt / EDO / 60ns 144 pin EDO SO DIMM of 8, 16, 32 n key functions) / keyboard slope wi rt with option cable 06G8619 or Por lock keys	th Port Replicator t Replicator	WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2.1 (FAT16)  • Internet Explorer 4.0  • Online User's Guide  • ThinkPad Configuration Program
Li-lon / non-intelligent / 3.0 hrs  11.8 x 9.2 x 2.4 (260 cubic inches) / 8EU/9EU: 7.1 pounds; DEU: 7.2 lbs  • SystemSoft CardWorks™  • Diskette Factory and Utilities			
Intel® Triton 430TX, PIIX4 for Pentium systems / Intel 440BX, PIIX4 for Pent II  PIIX4 (EIDE, USB, PCI to ISA bridge) Ti® T11250A PCMCIA controller  PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB)  ■ Update Connector  Puma TranXit™  ■ IBM Anti-Virus  ■ IBM Clobal Network (ICN Digler)			
None  ① ThinkPad Enhanced Po ③ ThinkPad 380/385 Port	ort Replicator, © ThinkPad 560 Port Replicator	Replicator,	Netscape Navigator browser     Media Player     IntelliQuest Registration Mailer     Ergonomics
PCMCIA 2.1 compatible / One USB / one 9 pin; 165	PC Card Standard 95 550A / one (IEEE P1284-A, EPP, E	CP, bidirectional)	PointCast (with ThinkPad channel)     Marketing Demo     Expenselyle
None None (software support for 56KB PC Card Modem / 16-bit / CS4237B / SRS 3 Two front stereo speaker Dial volume control (left so Input/microphone jack (st	or MPEG-1 in Windows 95)  Cellular Capable / x2 / XJACK const audio / FM synthesis rs (.5 watt) / one subwoofer above kide) / internal microphone / full duplereo) / output jack (stereo) / no joys	nnecor (02K4196) eyboard (1 watt) ex spk/mic	ThinkPad on the Net Personalization Editor ThinkPad Customization Lotus SmartSuite 97 Voyetra Audio Station Rand McNally's Trip Maker Quicken 98 (subject to change) EA Sports PGA Tour Golf CD-ROM Recovery CD-ROM with boot diskette
		vord /	<ul><li>♦ Windows 95 CD-ROM (no installation)</li><li>3.2GB = DMA Mode 2 or PIO Mode 4</li></ul>
Microsoft® Windows® 95 OSR2.1 wth applications (listed on right)  1 year - ThinkPad EasyServ (door-to-door depot repair service) or carry-in On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years		4.0GB = DMA Mode 2 or PIO Mode 4 5.1GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant	
ement, additional I/O ports, d slots. Features include: to secure the ThinkPad, Replicator ectors: parallel (25 pin) pin) e end audio out (3.5 mm) 15 pin) - not on system equires AC power; can not ard slots: gide by side) 5 compliant (PCI 2.1 / 32-bit) poport (no Zoomed Video)	- 16MB SO DIMM 3.3v NP EDO 6 - 16MB SO DIMM NP EDO 64-bit - 32MB SO DIMM 3.3v NP EDO 6 - 64MB SO DIMM 3.3v NP EDO 6 - 64MB SO DIMM 3.3v NP EDO 6 - ThinkPad 560 Port Replicator - ThinkPad 380/385 Port Replicator - ThinkPad 380/385 Li-lon Battery - ThinkPad 380/385 Li-lon Battery - ThinkPad 380/385 Li-lon Battery - 56 watt AC Adapter (barrel; 3 pro - 6.4GB disk, 13ms, Ultra DMA/33 - 33.6Kbps Modem with XJACK - 56K PC Card Modem/Cellular Ca	4-bit 92G7341 (new)01K1124 4-bit 92G7342 4-bit 76H0268 46H4209 or 84G1316 ator 11J8997 (old) 73H9793 02K6507 ong) 83H6739 6 02K0518 55H6759 04K0052 pable 02K4196	Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation  FEATURES  DMI 2.0 compliant (via software upgrade) PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM catalog, Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> 24 hour /7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support
	No upgrade / processor, L 512KB / sync pipelined b Internal 3.5" 1.44MB / use None since diskette interr 5.25" CD-ROM / 24X-10X 2635-8EU 0-87944-40513-9 Pentium 233/66MHz March 1998 / Sept 1998 2.1GB⁴ / 13ms / PIO Mod EIDE / PCI 2.1 / supports 2.1 inch HPA (High Perf SVGA / 640x480 or 800x 16.7 million simultaneou NeoMagic™ MagicGraph 2MB / iDRAM™ (embedde PCI 2.1 / 32-bit / external Simultaneous LCD and C 32MB / 96MB / non-parity 1 socket for one JEDEC 1 Full size alp/num / 85 (6 F External keyboard suppor TrackPoint III™ / no drag 11.8 x 9.2 x 2.4" (260 cut Li-lon / non-intelligent / 3. 4.2 to 12 hrs / 3.3 hrs Intel® Triton 430TX, PIIX4 PIIX4 (EIDE, USB, PCI to PCI 2.1 / 32-bit / 33MHz ( ISA (audio, diskette, seria None ① ThinkPad Enhanced Pc ③ ThinkPad 380/385 Port 2 Type I or 2 Type II or 1 PCMCIA 2.1 compatible / One USB / one 9 pin; 165 APM-aware BIOS / Unive None None (software support fc 56KB PC Card Modem / 16-bit / CS4237B / SRS 3 Two front stereo speake Dial volume control (left s Input/microphone jack (st Infrared port on left side / Power-on password / sup security keyhole / persons Microsoft® Windows® 95 0 1 year - ThinkPad EasyS	No upgrade / processor, L2 cache, and memory controller (No 1512KB / sync pipelined burst (66MHz for Pentium / ECC an Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on None since diskette internal 5.25" CD-ROM / 24X-10X° speed / CAV / multi-session / XA. 2635-8EU 0-87944-40513-9 Pentium 233/66MHz March 1998 / Sept 1998 2.1GB+/13ms / PIO Mode 4 EIDE / PCI 2.1 / supports one internal disk / no DMA or busm 21.1 inch HPA (High Performance Addressing) color SVGA / 640x480 or 800x600 / 150ms / 100 nits / 16.7 million simultaneous colors / 50 to 1 contrast NeoMagic PM MagicGraph 128XD™ (NM2160B) / 122-bit SVG 2MB / iDRAM™ (embedded) / color space conversion and in PCI 2.1 / 32-bit / external SVGA to 1024x768 with 65,536 col Simultaneous LCD and CRT / 150 degree tilt 22MB / 96MB / non-parity / 3.3 volt / EDO / 60ns 1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32 Full size alp/num / 85 (6 Fn key functions) / keyboard slope wis External keyboard support with option cable 06G8619 or Por TrackPoint III™ / no drag lock keys 11.8 x 9.2 x 2.4" (260 cubic inches) / 8EU/9EU: 7.1 pounds; Li-lon / non-intelligent / 3.0 hrs 4.2 to 12 hrs / 3.3 hrs Intel® Tritor 430TX, PIIX4 for Pentium systems / Intel 440B PIIX4 (EIDE, USB, PCI to ISA bridge) TI® T11250A PCMCIA PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) ISA (audio, diskette, serial, parallel, infrared) / NS PC9738 None 0 TrinkPad 380/385 Port Replicator 2 Type I or 2 Type I to 7 Type III / CardBus 32-bit PCI / Zo PCMCIA 2.1 compatible / PC Card Standard 95 One USB / one 9 pin: 16550A / one (IEEE P1284-A, EPP, EI APM-aware BIOS / Universal AC adapter; barrel (56 watts) / None None (software support for MPEG-1 in Windows 95) 56KB PC Card Modem / Cellular Capable / x2 / xJACK condistors with yaback and condition of the stereo speakers (5 watt) / one subwoofer above kersion of the stereo speakers (5 watt) / one subwoofer above kersion of the stereo speakers (5 watt) / one subwoofer above kersion of the stereo speakers (5 watt) / one subwoofer above kersio	5.25° CD-ROM / 24X-10X° speed / CAV / multi-session / XA / ATAPI / bootable C835-BEU 0-87944-40513-9 Pentium 23/66MHz March 1998 / Sept 1998 2.1GB* / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 5 3.2GB / 13ms / PlO Mode 4 3.2GB / 13ms / PlO Mode 6 3.2GB

### ThinkPad® 385XD (Windows 98) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM	<b>512KB</b> / synchronous pip Internal 3.5" 1.44MB / use None since diskette intern	rocessor, L2 cache, and memory controller (North Belined burst (66MHz) e simultaneously with CD-ROM / on right side			
Disk - size / ms Disk - partitioning Disk controller	Partitioned as C: (2GB - F EIDE / PCI 2.1 / supports	98 the ms (write) / PIO 4 / SMART key FAT16) and D: (remainder - FAT32) one internal disk / no DMA or busmaster support / di	n-one integration means the disk, diskette a, and CD-ROM are all within the covers of notebook; removable disk; noard does not lift up k can be removed and upgraded by customer		
Display - size and type Display - techology	12.1 inch TFT color / Act SVGA / 640x480 or 800x 16.7 million simultaneou	600 / 75ms / 100 nits			
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGrap 2MB / iDRAM™ (embedde	h128XD™ (NM2160B) / 128-bit SVGA accelerator / ed) / color space conversion and interpolation in X a SVGA to 1024x768 with 65,536 colors at 75Hz	Zoomed Video support / DDC1 and DDC2B and Y axis / support for DCI, DirectDraw		
Memory - std / max Memory - features	32MB / 96MB / non-parity 1 socket for one JEDEC	//3.3 volt / EDO / 60ns 144 pin EDO SO DIMM of 16, 32, or 64MB	WINDOWS 98 PRELOAD16		
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 F External keyboard suppo TrackPoint® III / no drag I	n key functions) / keyboard slope with Port Replicator rt with option cable 06G8619 or Port Replicator ock keys	Online User's Guide		
Dimensions / weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cul	oic inches) / 7.1 pounds (3.2kg) with battery/disk	ThinkPad Configuration Program     Software Select Utility		
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 3. 4.2 to 12 hrs / 3.3 hrs	5 hrs	Diskette Factory and Utilities     Artisoft ConfigSafe		
Architecture	PCI 2.1 / 32-bit / 33MHz (	ISA bridge) / TI® <b>TI1250A</b> PCMCIA controller EIDE, graphics, PCMCIA, USB) al, parallel, infrared) / NS PC97338 (FDC, IR, I/O)	IBM Update Connector     Puma IntelliSync 97     Norton AntiVirus (OEM Version)     IBM Global Network™ (IGN Dialer)     Netscape Navigator browser     RingZero Fax Central     IntelliQuest Registration Mailer		
Docking station Port replicator	Nonè	ort Replicator, @ ThinkPad 560 Port Replicator,			
PCMCIA™ slots	2 Type I or 2 Type II or 1	Type III / CardBus 32-bit PCI / Zoomed Video	Ergonomics     Intuit Expensable		
USB / serial / parallel Other features		550A / one (IEEE P1284-A, EPP, ECP, bidirectional ersal AC adapter; barrel (56 watts) / 35 watt supporte	ThinkPad on the Net     Demonstration Editor		
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	56KB <sup>9</sup> PC Card Modem 16-bit / CS4237B / SRS 3 Two front stereo speake Dial volume control (left s Input/microphone jack (st	or MPEG-1 in Windows 98)  / Cellular Capable / x2 / XJACK connector (02K419 BD audio / FM synthesis rs (.5 watt) / one subwoofer above keyboard (1 watt) ide) / internal microphone / full duplex spk/mic ereo) / output jack (stereo) / no joystick port IrDA 1.1 compatible / up to 4Mbps	Rand McNally's Trip Maker     Quicken 98		
Security	Power-on password / supervisor password / hard disk password / security keyhole / personalization screen at startup		Fn + F2 = Battery guage		
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	nited warranty <sup>11</sup> 1 year - ThinkPad EasyServ (door-to-door depot repair service) or carry-in		Fn + F3 = Standby Fn + F4 = Suspend S Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt		
provide cable manage and CardBus PC Car	nced Port Replicator ement, additional I/O ports, d slots. Features include: to secure the ThinkPad,	OPTIONS - 16MB SO DIMM 3.3v NP EDO 64-bit 92G7341 - 16MB SO DIMM NP EDO 64-bit (new)01K1124 - 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342 - 64MB SO DIMM 3.3v NP EDO 64-bit 76H0268	Fn + F12 = Hibernation		
Port Replicator connectors:  - USB, serial (9 pin), parallel (25 pin)  - External display (15 pin)  - Keyboard and mouse  - Audio in (3.5 mm) and audio out (3.5 mm)  - Joystick/MIDI port (15 pin) - not on system  - External diskette drive conntr - not on system  - Power connector (requires AC power; can not run on battery)  Features of the PC Card slots:  - Two Type III slots (side by side)  - PC Card Standard 95 compliant  - CardBus compliant (PCI 2.1 / 32-bit)  - 8/16-bit PC Card support (no Zoomed Video)  - Texas Instruments PCI1131 controller  - Requires no PCI-to-PCI bridge		- ThinkPad 560 Port Replicator - ThinkPad 380/385 Port Replicator - ThinkPad Benhanced Port Replicator - ThinkPad 380/385 Li-lon Battery (old) - ThinkPad 380/385 Li-lon Battery (old) - ThinkPad 380/385 Li-lon Battery - External Battery Charger - 56 watt AC Adapter (barrel; 3 prong) - 6.4GB disk, 13ms, Ultra DMA/33 - 33.6Kbps Modem with XJACK - 56K PC Card Modem Kit - 56K PC Card Modem/Cellular Capable - Card Modem/Cellular Capable - Card Modem Sit Sexual Sexua	FEATURES  DMI 2.0 compliant (via software upgrade) PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM catalog, Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> 24 hour /7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service		

IBM® ThinkPad®					
Processor Processor features L2 cache Diskette drive External FDD port CD-ROM DVD-ROM	No upgrade / processor, I 512KB / sync pipelined b Internal 3.5" 1.44MB / rer None since diskette interr CD-ROM / 24X-10X <sup>5</sup> spec		Bridge) on Intel Mobile N CC and 150MHz for Pen on right side / integrated v vable from UltraBay FX / v	Module Itium II) with CD-ROM on right side /	All-in-one design: disk, diskette drive, and CD-ROM are all within the covers integrated with diskette drive
Type - model Processor Disk - size / ms Disk controller	2626-20U Pentium 233MHz 3.2GB <sup>4</sup> / 13ms read / 14n	2626-50U Pentium II 233MHz ns write / S.M.A.R.T. <sup>29</sup> one internal disk / disk can be	2626-70U Pentium II 266MHz 4.3GB <sup>4</sup> / 13ms read / 14	4ms write / S.I	M.A.R.T. <sup>29</sup>
Display - size and type Display - techology	12.1" TFT color / Active SVGA / 640x480 or 800x6 16.7 million simultaneou		14.1" TFT color / Active XGA / 640x480 or 800x6 16.7 million simultanee	600 or <b>1024x7</b>	
Graphics - controller Graphics - external Graphics - features	NeoMagic™ MagicMedia 2.5MB / SDRAM (embed External SVGA to 1024x7	a256AV™ (NM2200) / PCI 2. ded) / motion compensation 68 with 16.7 million colors at RT / 150 degree tilt / multiple	.1 / 128-bit engine, 256-b on / color space conversions 85Hz	it memory inte on / interpolat The right ba	erface / DDC2B / Direct3D ion in X and Y axis y (UltraBay FX) has a device
Memory - std / max Memory - features	<b>32MB</b> / 256MB <sup>33</sup> SDRAM / non-parity / 66M 2 sockets for JEDEC 144		64MB / 256MB <sup>33</sup> t used by std memory	LED which sidevice; it su	diskette/CD-ROM (warm swap)
Keyboard Pointing	TrackPoint® / Press-to-Se	functions) / palm rest / keyb lect / Release-to-Select / dra (Internet Scroll Bar) or magn	igging / click pace	<ul> <li>optional second battery (hot swap); same battery as main one</li> <li>optional second disk (cold swap)</li> <li>optional ThinkPad Proven™ solutions¹²</li> </ul>	
Dimensions Weight <sup>2</sup> Case material	12.4 x 10.1 x 1.8" (225 cu 7.5 lbs (3.4 kg) with batter PC/ABS plastic		12.4 x 10.2 x 1.8" (227 of 7.7 lbs (3.5 kg) with batt PC/ABS plastic		All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 of
Battery - type / life <sup>10</sup> Charge time <sup>10</sup> - on / of	NiMH / intelligent / 3.25 hr f 5 hrs on / 2.5 hrs off	rs (1 battery) / left side	Li-lon / intelligent / 4 hrs 6 hrs on / 3 hrs off	/ left side	remaining space
Docking station Port replicator PC Card Std slots USB / serial / parallel Other features Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	Intel PIIX4E (EIDE, PCI to Texas Instruments® T1125 PCI 2.1 / 32-bit / 33MHz (ISA (audio, diskette, serial None ThinkPad Port Replicator 2 Type I, 2 Type II, or 1 Ty One USB / one 9 pin; 165 APM-aware BIOS / Universidation None (software support for 56Kbps²⁴ / V.90 / integration 16-bit SoundBlaster Pro™Two Altec Lansing® stere Dial volume control (right Microphone jack (stereo)	ort Replicator with Advanced EtherJet™ / ThinkPad 560 Port Replic Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) BIOS / Universal AC adapter; barrel (56 watts)  vare support for MPEG-1 in Windows 98) V.90 / integrated in system / Lucent 1644 / not voice-capable dBlaster Pro™ compatible / NeoMagic NMA2 / ISA / full duplex .ansing® stereo speakers on display (1 watt) e control (right side) / internal microphone e jack (stereo) / headphone jack (stereo) / line-in jack		Microsoft® Windows® 98     Online User's Guide     ThinkPad Configuration Program     ThinkPad Configuration Program	
Security  Limited warranty <sup>11</sup> Service options <sup>15</sup>	security keyhole / security  1 year - carry-in or ThinkF				
management, addition Card slots, and 10/10 LAN <sup>TM28</sup> . Features:  • 10/100 ethernet (Interpretation of the content of the conte	60Hz         75Hz         85Hz           16M         16M         16M           16M         16M         16M           16M         16M         16M           256	OPTIC  - 32MB SO DIMM 3.3v NF - 64MB SO DIMM 3.3v NF - 128MB SO DIMM 3.3v NF - 1128MB SO DIMM 3.3v NF - 128MB SO DIMM 3.3v NF - 128MB SO DIMM SO DIMM 3.3v NF - 128MB 3.3v NF - 128MB 3.0v NF - 12	P SDRAM 76H0294 P SDRAM 20L0241 P SDRAM 01K1150 cator 46H4209 iced Ether Jet 05K4872 -lon Battery 02K6513 rel; 3 prong) 83H6739 y FX adapter 05K8923 r FX adapter 05K8983 outer Conn 04K0064 th XJACK <sup>24</sup> 10L7393	4.3GB = Ultr 6.4GB = Ultr 10GB = Ultr All disks are Wired for Ma DMI 2.0 com PC 97 comp ACPI ready Wake on LA Setup Guide 98 manual System Stati	iliant (APM enabled) N™ support² <sup>8</sup> , User's Reference, Windows , and Quick Reference Card us Indicators
PC Cards, and Port USB, serial (RS-232 external display, key Audio in and out (3.5)	Replicator 2, 9 pin), parallel (25 pin), board, mouse 5 mm) 15 pin) - not on system rd slots (side by side) 195 compliant at (PCI 2.1 / 32-bit)	DVD/Diskette (for UltraB     Visit www.ibm.com/pc/uswww.ibm.com/pc/ca/acc     ThinkPad Proven™ solut www.ibm.com/pc/us/thinl Pressing F1 during startup Setup Utility	s/accessories (U.S.) or essories (CA) ions <sup>12</sup> (visit kpad/proven)	Plug and Play 1.0a Standby, suspend, and hibernation mode ENERGY STAR compliant International Warranty Service 14 IBM SystemXtra <sup>TM35</sup> 24 hour / 7 day telephone 30, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support	

IBM <sup>®</sup> ThinkPad <sup>®</sup>							
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	No upgrade / processor, I Celeron: 128KB; Pentium Internal 3.5" 1.44MB / ren CD-ROM / 24X-10X <sup>5</sup> spee	300 or 366MHz¹ or Mobile Pentium® II 300P L2 cache, and MTXC (North Bridge) on Intel m II: 256KB; AII: onboard (full speed) / syn novable from UltraBay FX / on right side / intel d / ATAPI / bootable / removable from UltraBay FX option / 2X⁵ DVD integrated with a d	I Mobile M nc pipelin tegrated v Bay FX / c	Module (MMC2) * ned burst / ECC / write-back with CD-ROM / no external diskette port on right side / integrated with diskette drive			
Type - model Processor Disk - size / ms Preload (see side) Available date Display (diagonal)	<ul> <li>2626-90U Celeron 300MHz</li> <li>3.2GB⁴ / 13ms Windows 98 March 1999 12.1" TFT SVGA</li> </ul>	S-COU	< 2626-EI PII 333MH 6.4GB / 12 NT 4.0 March 199 4.1" TFT	NU			
Display - size and type Display - technology	12.1" TFT color 308mm / . SVGA / 800x600 / 30ms / 16.7 millioncolors / 100 t		) nits	14.1" TFT color 358mm / Active Matrix XGA / 1024x768 / 20 to 30ms / 120 nits 16.7 million colors / 150 to 1 contrast			
Graphics - controller	2.5MB / SGRAM (embedd	256AV™ (NM2200) / 128-bit engine, 256-bit ded) / motion compensation / color space on the color space of the color supposition of the color supposition is the color supposition of the color supposition is the color of the col	conversion	interface / 1X AGP / DDC2B / on / interpolation in X and Y axis			
Graphics - features  Memory - std / max  Memory - features	32MB / 256MB <sup>33</sup> SDRAM / non-parity / 66M 2 sockets for JEDEC 144	64MB / 256MB <sup>33</sup>	emory /	0MB / 256MB <sup>33</sup>   32MB / 256MB <sup>33</sup>   WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98			
Disk controller Keyboard Pointing	EIDE / PCI 2.1 / one inter customer / supports two in Full-size 85-key (7 Fn key TrackPoint® / Press-to-Sel	nal disk / disk can be removed to upgrade by ternal disks/ 13ms read / 14ms write / S.M.A. functions) / palm rest / keyboard slope with tiect / Release-to-Select / dragging / click pace (Internet Scroll Bar) or magnifying glass / spar	L.R.T. <sup>29</sup> tilt feet	<ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> </ul>			
Case material  Battery - type  Battery - life <sup>10</sup> (1 batt)	)Celeron models: 7.5 lbs PC/ABS plastic 90U/C0U/D0U/B0U: NiMH 90U/C0U: 3.0 hrs D0U: 4	10.1 x 1.8" (225 cu in) Others: 12.4 x 10.2 (3.4 kg) Pentium models: 7.7 lbs (3.5 kg)  / intelligent / left side Others: Li-Ion / intelligents EOU/ENU: 3.8 hrs BOU: 2.67 hrs	gent	Ergonomics Intelliquest Registration Puma IntelliSync 97 (infrared) IBM Global Network Dialer Netscape Communicator Lotus® SmartSuite Millennium <sup>20</sup>			
Charge time <sup>10</sup> Architecture	Texas Instruments® <b>TI125</b> PCI 2.1 / 32-bit / 33MHz (ISA (diskette, serial, para	el PIIX4E (EIDE, PCI to ISA bridge, USB) 1A PCMCIA controller / NS PC97338 (FDC, EIDE, graphics, PCMCIA, USB, audio, mode	IR, I/O) em)	<ul> <li>PC Doctor</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> <li>ThinkPad on the Net (TCC CD)</li> <li>Universal Management Agent</li> <li></li></ul>			
Docking station Port replicator PC Card Std slots USB / serial / parallel Other features	2 Type I, 2 Type II, or 1 Ty One USB / one 9 pin; 165	with Advanced EtherJet™ / ThinkPad 560 Por pe III / CardBus 32-bit / PCMCIA 2.1 / Zoomed 50A / one (IEEE P1284-A, EPP, ECP, bidirec m AC adapter, barrel, 3-prong, 56 watts	rt Replic d video	<ul> <li>♦ Lotus SmartSuite Millennium CD-ROM</li> <li>♦ Recovery CD-ROM (Windows 98)</li> <li>♦ Recovery CD-ROM (Windows 95)<sup>7</sup></li> <li>WINDOWS NT PRELOAD<sup>16</sup></li> </ul>			
Video (TV) out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	None (W98 support for M 56K³7 V.90 / integrated in 16-bit SoundBlaster Pro™ Two Altec Lansing® stered Dial volume control (right Microphone jack (stereo)	side (does not require cable) / Chrontel Ch70 PEG-2 because 300MHz with motion compen system / PCI / Lucent 1646 / not voice-capa compatible / ESS 1946 / PCI / full duplex o speakers on display (1 watt) side) / internal microphone / headphone jack (stereo) / line-in jack IrDA 1.1 compatible / up to 4Mbps	nsation) able	<ul> <li>Microsoft Windows NT® 4.0</li> <li>Service Pack 4</li> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>			
Security	Power-on password / setul security keyhole / security	p password / disk password / screw for UltraBay FX		<ul> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> </ul>			
Limited warranty <sup>11</sup> Service options <sup>15</sup>		ad EasyServ™³¹ (door-to-door depot repair ser us day (72 cities) / serv up to 5 yrs from purchase	se date	<ul> <li>Lotus SmartSuite Millennium<sup>20</sup></li> <li>Universal Management Agent</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> </ul>			
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M	External Monitor           60Hz         75Hz         85Hz           16M         16M         16M           16M         16M         16M           16M         16M         16M	- 64MB SO DIMM 3.3v NP SDRAM - 128MB SO DIMM 3.3v NP SDRAM - ThinkPad 560 Port Replicator 46	6H0294 0L0241 1K1150 -	IBM Update Connector     SystemSoft CardWizard     Universal Management Agent     Software Selections CD-ROM     Recovery CD-ROM (Windows NT)      FEATURES			
All models: - C: drive is FAT16 of - D: drive is FAT32 of	remaining space	- ThinkPad 390/i Series Li-Ion Battery 02 - Ultraslim 56 watt AC Adapter (3-prong) 02 - 6.4GB disk with UltraBay FX adapter 05 - DVD/Diskette (for UltraBay FX) 05	2K6513 2K6545 5K8923 5K8983	Wired for Management 1.1a compliant DMI 2.0 compliant PC 98 compliant ACPI ready (APM enabled) Wake on LAN® support28 Setup Guide, User's Reference, Window. OS manual, and Quick Reference Card			
the bottom of the syste should be off to safely supports: • standard diskette/CI • optional DVD/CD-R	D-ROM (warm swap; W98) OM (warm swap; W98) tery (hot swap; W98/NT);	- 900MHz Cordless Computer Conn - V.90 PC Card Modem with XJACK <sup>24</sup> 10 - 10/100 Ethernet CardBus PC Card 08 - Smart Card Security Kit 33 - ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)	4K0064 DL7393 BL3147 3L5075	System Status Indicators Plug and Play 1.0a Standby, suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>®, 35</sup> 24 hour / 7 day <sup>30</sup> telephone, bulletin			
<ul> <li>optional second disk</li> <li>optional ThinkPad P</li> </ul>	(cold swap)	Pressing F1 during startup brings up IBM BI	105	board, fax, electronic, and Internet (www.ibm.com/pc/us) support			

IBM® ThinkPad®			
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	No upgrade / processor, Celeron: 128KB; Pentiu Internal 3.5" 1.44MB / re CD-ROM / 24X-10X <sup>5</sup> spe Option: Removable Ultra	400MHz¹ or Mobile Pentium® II 400MHz / 66MHz so L2 cache, and MTXC (North Bridge) on Intel Mobile Im II: 256KB; All: onboard (full speed) / sync pipel movable from UltraBay™ FX / on right side / integrate ed / ATAPI / bootable / removable from UltraBay FX / aBay FX option / 4X-1X⁵ DVD integrated with a disket	Module (MMC2) ined burst / ECC / write-back ed with CD-ROM / no external disktte port on right side / integrated with diskette drive tte drive
Type - model Processor / MHz Disk - size / read ms Preload (see side) Avail / withdrawn date Display (diagonal)	4.8GB <sup>4</sup> / 13ms Windows 98 Sept 99 / Jul 00 12.1" TFT SVGA 6.4GB Windo Sept 9 14.1"	Marcol   M	II 400 I2ms Jul 00 XGA
Display - size and type Display - technology	12.1" TFT color 308mm / SVGA / 800x600 / 20 to 3 16.7 million colors / 150	Active Matrix 30ms / 150 nits to 1 contrast 14.1" TFT color 358mm / Active Matrix 150 nits to 1 contrast 16.7 million colors /150 to 1 contrast	nits XGA / 1024x768 / 10 to 30ms / 120 nits
Graphics controller	2.5MB / SGRAM (embed	a256AV <sup>™</sup> (NM2200) / 128-bit engine, 256-bit memor lded) / motion compensation / color space convers RT <sup>26</sup> / 150 degree tilt / multiple-monitor support <sup>26</sup>	y interface / <b>1X AGP</b> / DDC2B / ion / interpolation in X and Y axis
Memory - std / max Memory - features	2 sockets for JEDEC 144	OMHz / PC100-compliant / 3.3 volt / 64-bit / I-pin SO DIMMs / one socket used by std memory / bottom via removing cover held by phillips-head screw	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98
Disk controller Keyboard Pointing	customer / supports two in Full-size 85-key (7 Fn key TrackPoint® / Press-to-Se	rnal disk / disk can be removed to upgrade by hernal disks / 13ms read / 14ms write / S.M.A.R.T. <sup>29</sup> / functions) / palm rest / keyboard slope with tilt feet elect / Release-to-Select / dragging / click pace / (Internet Scroll Bar) or magnifying glass / spare caps	<ul> <li>Access ThinkPad</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> </ul>
Dimensions Weight <sup>2</sup> (with batt/disk) Case material		1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8" (246 cu) 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 kg)	Ergonomics     Intelliquest Registration     Puma IntelliSync 97 (infrared)
Battery - type Battery - life <sup>10</sup> (1 batt) Charge time <sup>10</sup>	F0U: 2.5 hrs Gxx/Hxx: 3	eft side Others: Li-lon / intelligent / left side .67 hrs Jxx: 3.5 hrs rs off Jxx: 6 hrs on / 3 hrs off	IBM Global Network Dialer     Netscape Communicator     Lotus® SmartSuite® Millennium <sup>20</sup>
Architecture  Docking station Port replicator PC Card Std slots	Texas Instruments® TI12! PCI 2.1 / 32-bit / 33MHz ISA (diskette, serial, para None ThinkPad Port Replicator 2 Type I, 2 Type II, or 1 Ty	with Advanced EtherJet™ / Basic Port Replicator /pe III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video	PC-Doctor     ConfigSafe®     Norton AntiVirus™ (OEM Version)     Universal Management Services     Software Selections CD     Lotus SmartSuite Millennium CD-ROM     Recovery CD-ROM (Windows 98)     Recovery CD-ROM (Windows 95)?      WINDOWS NT PRELOAD¹6      Microsoft Windows NT® 4.0     Service Pack 4     ThinkPad Utilities     Online User's Guide     ThinkPad Configuration Program     Ergonomics     Intelliquest Registration     Puma IntelliSync 97 (infrared)     IBM Global Network Dialer
USB / serial / parallel Other features Video (TV) out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	APM-aware BIOS / Ultras S-Video out connector of None (W98 support for N 56K <sup>22</sup> V.90 / integrated in conforms to earlier draft 16-bit SoundBlaster Pro <sup>T</sup> Two Altec Lansing® stere Dial volume control (righ Microphone jack (stereo) Infrared port on left side	550A / one (IEEE P1284-A, EPP, ECP, bidirectional) lim AC adapter, barrel, 3-prong, 56 watts in side (does not require cable) / Chrontel Ch7004C-T MPEG-2 because 300MHz with motion compensation) in system / PCI / Lucent 1646 / not voice-capable / specs similar to Mini PCI Type IIIb with support / ESS 1946 / PCI / full duplex to speakers (1 watt) on display (on front for 15" mod) at side) / internal microphone / headphone jack (stereo) / line-in jack / IrDA 1.1 compatible / up to 4Mbps	
Security Limited warranty <sup>11</sup>	security keyhole / security	up password / disk password / y screw for UltraBay FX Pad EasyServ <sup>™31</sup> (door-to-door depot repair service)	Netscape Communicator     ConfigSafe     Norton AntiVirus (OEM Version)
Service options <sup>15</sup>	On-site <sup>32</sup> , M-F, 8-5, next I	ous day (72 cities) / serv up to 5 yrs from purchase date	IBM Update Connector     SystemSoft CardWizard
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024	60Hz 75Hz 85Hz 16M 16M 16M 16M 16M 16M 16M 16M 16M 256	OPTIONS  - 32MB SO DIMM 100MHz NP SDRAM 20L0253  - 64MB SO DIMM 100MHz NP SDRAM 20L0254  - 128MB SO DIMM 100MZ NP SDRAM 20L0255  - 256MB SO DIMM 100MZ NP SDRAM 33L3069  - Basic (ThinkPad 560) Port Replicator 46H4209	Universal Management Services     Software Selections CD-ROM     Lotus SmartSuite Millennium CD-ROM     Recovery CD-ROM (Windows NT)  FEATURES
All models: - C: drive is FAT16 of - D: drive is FAT32 of i	2GB remaining space	<ul> <li>Port Replicator w/ Advanced EtherJet</li> <li>ThinkPad 390/i Series Li-Ion Battery</li> <li>Ultraslim 56 watt AC Adapter (3-prong)</li> <li>6.4GB disk with UltraBay FX adapter</li> <li>05K8923</li> </ul>	FEATURES Wired for Management 1.1a-compliant DMI 2.0-compliant PC 98-compliant ACPI ready (APM enabled)
the bottom of the systeshould be off to safely supports: • standard diskette/CE Windows 98) • optional DVD/CD-Re	O-ROM (warm swap with OM (warm swap; W98) ery (hot swap; W98/NT); n one (cold swap)	- 10GB disk with UltraBay FX adapter - 12GB disk with UltraBay FX adapter - 4X-1X DVD/Diskette (for UltraBay FX) - CD/Diskette (for UltraBay FX) - 10/100 EtherJet Ready Port CardBus Adapter with 56K modem - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 Ethernet CardBus PC Card - 10/100 EtherJet Ready	Wake on LAN® support <sup>28</sup> Setup Guide, User's Reference, Windows OS manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby, suspend, and hibernation modes ENERGY STAR-compliant International Warranty Service <sup>14</sup> IBM SystemXtra®.35 24 hour / 7 day30 telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support

# **運派 ThinkPad® 390X (Pentium III) - withdrawn**

IBM <sup>®</sup> ThinkPad <sup>®</sup>						
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM		r, L2 cache, and memo peed / sync pipelined emovable from UltraBa eed / ATAPI / bootable	ory controller (North Bri burst / ECC / write-back ay™ FX / on right side / e / removable from Ultra	dge) on l k integrate Bay FX /	ed with CD-ROI on right side / i	dule (MMC2) M / no external disktte port ntegrated with diskette drive
Type - model Processor / MHz Disk - size / read ms Preload (see side) Avail / withdrawn date Display (diagonal)	> 2626-L0U Pentium III 450MHz 12.0GB <sup>4</sup> / 12ms Windows 98 SE Dec 1999 / Oct 2000	**2626-LNU Pentium III 450MHz 12.0GB / 12ms NT 4.0 Dec 1999 / Oct 2000 14.1" TFT XGA	≈ 2626-L2U Pentium III 450MHz 12.0GB / 12ms Windows 2000 Feb 2000 / Oct 2000 14.1" TFT XGA	≈ 2626 Pentiur 12.0GB Windov	-M0U n III 500MHz / 12ms vs 98 SE 99 / Jan 2001	≈ 2626-MNU     Pentium III 500MHz     12.0GB / 12ms     NT 4.0     Dec 1999 / Jan 2001     15" TFT XGA
Display - size and type Display - technology	e 14.1" TFT color 358mm XGA / 1024x768 / 20 to 16.7 million colors /150	30ms / 120 nits		XGA / 1	024x768 / 10 to	n <b>/ Active Matrix</b> o 30ms / 120 nits 50 to 1 contrast
Graphics controller	NeoMagic™ MagicMed 2.5MB / SGRAM (embe simultaneous LCD and 0	edded) / motion comp	ensation / color space	it memor conversi	y interface / <b>1X</b>	AGP / DDC2B /
Memory - std / max Memory - features	64MB / 512MB <sup>33</sup> SDRAM / non-parity / 10 2 sockets for JEDEC 14 sockets accessed from	00MHz / PC100-compli 14-pin SO DIMMs / on	ant / 3.3 volt / 64-bit / e socket used by std m	emory /		
Disk controller Keyboard Pointing	EIDE / PCI 2.1 / one int customer / supports two Full-size 85-key (7 Fn ke TrackPoint® / Press-to-S center button for scrollin	internal disks / 13ms re ey functions) / palm res Select / Release-to-Sele	ead / 14ms write / S.M./ st / keyboard slope with ect / dragging / click pac	A.R.T. <sup>29</sup> tilt feet ce /	<ul><li>ThinkPad Co</li><li>ThinkPad Ut</li><li>IBM Update</li><li>RingCentral</li><li>ThinkPad on</li></ul>	onfiguration Program ilities Connector Fax the Net
Dimensions <sup>36</sup> Weight <sup>2</sup> (with batt/disk) Case material Battery - type Battery - life <sup>10</sup> (1 batt) Charge time <sup>10</sup>	14.1"mod: 12.4 x 10.2 x 14.1" models: 7.7 lbs (3. PC/ABS plastic Li-lon / intelligent / left si 14.1" models: 3.7 hrs 14.1" models: 5 hrs on /	.5 kg)	l lbs (3.6 kg)	246 cu)	<ul><li>PC-Doctor</li><li>ConfigSafe®</li></ul>	Network Dialer ommunicator tSuite® Millennium <sup>20</sup>
Architecture  Docking station	14.1" models: 5 hrs on / 2.5 hrs off 15" models: 6 hrs on / 3 hrs off  Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, USB) / Texas Instruments® TI1251B PCMCIA controller / NS PC97338 (FDC, IR, I/O) PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audio, modem) ISA (diskette, serial, parallel, infrared)  • Norton AntiVirus™ (OEM Version) • Universal Management Services (web)  • Software Selections CD  • Lotus SmartSuite Millennium CD-ROM • Recovery CD-ROM (Windows 98)					anagement Services (web) lections CD Suite Millennium CD-ROM
Port replicator PC Card Std slots USB / serial / parallel Other features	ThinkPad Port Replicator with Advanced EtherJet™ / Basic Port Replicator 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)  WINDOWS 2000 PRELOAD  Windows 2000® Professional				/S 2000 PRELOAD <sup>16</sup> 00® Professional	
Video (TV) out MPEG decoder Data/fax modem  Audio Speakers Audio features Audio in/out jacks Infrared ports	S-Video out connector of None (W98 support for <b>56K</b> <sup>37</sup> V.90 / integrated conforms to earlier draff 16-bit SoundBlaster Pro Two Altec Lansing® stell Dial volume control (rigi	APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watts S-Video out connector on side (does not require cable) / Chrontel Ch7004C-T None (W98 support for MPEG-2 because 300MHz with motion compensation) 66K³7 V.90 / integrated in system / PCI / Lucent 1646 / not voice-capable / conforms to earlier draft specs similar to Mini PCI Type IIIb 6-bit SoundBlaster Pro™ support / ESS 1946 / PCI / full duplex Two Altec Lansing® stereo speakers (1 watt) on display (on front for 15" mod) Dial volume control (right side) / internal microphone Microphone jack (stereo) / headphone jack (stereo) / line-in jack				ilities s Guide onfiguration Program ation  Fax ommunicator  Connector CardWizard
Security	Power-on password / se security keyhole / security	etup password / disk pa ity screw for UltraBay I	assword / =X	. ,	<ul> <li>Norton AntiV</li> <li>Universal Ma</li> <li>Lotus Smart</li> </ul>	irus™ (OEM Version) anagement Services (web) Suite Millennium CD
Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - carry-in or Thin On-site <sup>32</sup> , M-F, 8-5, next	t bus day (72 cities) / s	erv up to 5 yrs from purch	service) lase date	♦ Recovery CE	lections CD-ROM D-ROM (Windows 2000) D-ROM (Windows NT)40
Color depth LCD Resolution TFT 640x480 16M	External Monitor  60Hz 75Hz 85Hz 16M 16M 16M	- 64MB SO DIMM 1	OPTIONS  00MHz NP SDRAM 20 00MHz NP SDRAM 20	)L0254		
800x600 16M 1024x768 16M 1280x1024	16M 16M 16M 16M 16M 16M 16M 16M 16M 256	- 128MB SO DIMM - 256MB SO DIMM - Basic (ThinkPad 5	100Mz NP SDRAM 20 100Mz NP SDRAM 33 660) Port Replicator 46	0L0255 3L3069		FEATURES agement 1.1a-compliant
on the bottom of the s which should be off to it supports: • standard diskette/CI Windows 98) • optional DVD/CD-R	k (cold swap) roven™ solutions¹² :	- ThinkPad 390 Li-I - Ultraslim 56 watt A - 6.4GB disk with Ul - 10GB disk with Ul - 12GB disk with Ul	on Battery C Adapter (3-prong) C Adapter (3-prong) O2 traBay FX adapter traBay FX adapter tte (for UltraBay FX) O5 ltraBay FX) leady Port CardBus modem 34 ardBus PC Card ity Kit Bay FA 37	2K6513 2K6545 5K8923 5K8983 5K9268	PC 98-complia ACPI ready (A Wake on LAN' Setup Guide, I OS manual, a System Status Plug and Play Standby, suspe ENERGY STA International W IBM SystemXt 24 hour / 7 day board, fax, eli	ant PM enabled) ** support <sup>28</sup> **Jser's Reference, Windows and Quick Reference Card Indicators 1.0a end, and hibernation modes R-compliant farranty Service <sup>14</sup>

IBM® ThinkPad®:	≈ 560	× 560	Γ.	ThinkPad 560 key features:		
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	None None External 3.5" 1.44 MB (con External FDD port (works	or 12.1" TFT SVGA color 1, 133/66 MHz / 64 bit to transfers to nects to left side) / includes case with with standard external diskette; no k DEM option via PCMCIA or parallel p	Next generation ultraportable notebook Slim: 1.2 inches Lightweight: 4.1 pounds Full size keyboard Pentium 100/66 to 133/66 MHz 11.3" Dual Scan SVGA or 12.1" TFT SVGA PCI bus 8 MB EDO memory			
Pentium speed Disk - size / ms Disk controller		2640-E0A   2640-E0C   Windows 95   Blank   Nay 1996 / January 1997   120/60 MHz   810 MB / 13 ms   1 / supports one internal disk	2640-F0E Windows 95	Pallet of 24 2640-F0D 2640-F0G OS/2 Warp Connect Blank July 1996 / January 1997		
Display - size and type	11.3" Dual Scan SVGA co	olor   12.1" TFT SVGA color				
Display - techology		Dual Scan / 30 to 1 contrast ratio	Black Matrix TF	or / 640 x 480 or 800 x 600 / 65,536 sim colors FT - active matrix / 100 to 1 contrast ratio		
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external				WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide		
Memory - std / max Memory - features Memory - upgrade		/ EDO 44 pin EDO SO DIMM of 8, 16, or 3.	2 MB	<ul> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>1. Triton CoSession™ Host</li> </ul>		
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag lo	d remains flat (no sloop) / opt P Replica	·	Lotus Organizer     IntelliLink Connect      IRM Internet Connection Services with		
Dimensions Weight	11.7 x 8.7 x 1.22" (124 cub 4.12 pounds (1.87 kg)	ic inches)  4.10 pounds (1.86 kg)		<ul><li>5. Puma TranXit™</li><li>6. Compuserv for Windows</li></ul>		
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium lon/intelligent 3 hours 2.5 to 3.5 hrs / 1.5 hrs			7. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM  OS/2 WARP CONNECT PRELOAD  IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications Online User's Guide ThinkPad Features Program PC Card Director 4.0 Diskette Factory Lotus Organizer		
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	None ThinkPad 560 Port Replica 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	DE, graphics, PCMCIA) / Mobile Trito ator /pe III EEE P1284-A, EPP, ECP, bidirection ong (35 watts) with barrel connector /	nal)			
Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports	None None None 16 bit audio chip / 18 void Int stereo speakers / .5 wat Input jack (3.5 mm) / Output None	te MIDI FM synthesis / ESS1688  It / rotary volume control / internal mint jack (3.5 mm) / not full duplex speak	2. Puma TranXit™ 3. IntelliLink Connect 4. NetFinity for OS/2 5. Triton CoSession™ Host; - Lotus SmartSuite 4.0 (entitled to SSuite 96)  BLANK PRELOAD - License for SmartSuite			
Security	Power-on password / Lock	ing device keyhole on back / Personalization screen at startup		The optional <b>ThinkPad 560 Port</b>		
Preinstalled software Warranty	Windows 95 with application	<u>'</u>	Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope.			
Easy-Setup is entered turning on.	l by holding F1 when	Compatible in ThinkPad 560 family				
810 MB = DMA Mode 1.08 GB = DMA Mode		Disks: (365/760 IDE disks not su 1.08 GB HDD II EIDE 13 ms     2.1 GB HDD 14 ms     ThinkPad 560 Port Replicator	46H4208 45H8783 46H4209	FEATURES OF 560 MODELS		
Fn + F2 = Battery g Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CR <sup>T</sup> Fn + F11 = Power m Fn + F12 = Hibernati	Г/Simultaneous gmt	<ul> <li>ThinkPad 560 Li-Ion Battery Pa</li> <li>35 watt AC Adapter - barrel/3 pro</li> <li>35 watt AC Adapter (slim, 2 pin)</li> <li>8 MB SO DIMM 3.3v NP EDO 64</li> <li>16 MB SO DIMM 3.3v NP EDO 64</li> <li>32 MB SO DIMM 3.3v NP EDO 64</li> </ul>	ong 85G6719 76H0139 bit 92G7340 bit 92G7341	I IS EPA Energy Star compliant		
Hardware acceleration Windows™ is integrate graphics controller; integrate axis; color space converse.	on of 'Video for ed into the 9382 erpolation in X and Y	Disk is not removable (like 755/76/ but it can be upgraded via a dealer center (not customer installable). System does not have non-disrupt	Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support			
enabled		exchange. Battery can be change system is off, in hibernation, or und	IBM and dealer warranty/service Online Housecall (remote diagnostics)			

# Time ThinkPad 560 (1997 models) - withdrawn

IBM® ThinkPad®:	<b>×</b> 560	<b>×</b> 560	ThinkPad 560 key features:
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive Code name	None None External 3.5" 1.44 MB (co External FDD port (works	or 12.1" TFT SVGA color 4 bit to transfers to memory  nnects to left side) / includes case with a cable with standard external diskette; no kit reqd) DEM option via PCMCIA or parallel port)	<ul> <li>Next generation <u>ultraportable</u> notebook</li> <li>Slim: 1.2 inches</li> <li>Lightweight: 4.1 pounds</li> <li>Full size keyboard</li> <li>Pentium 133/66 MHz</li> <li>11.3" Dual Scan SVGA or 12.1" TFT SVGA</li> <li>PCI bus</li> <li>8 MB EDO memory</li> </ul>
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2640-10U Windows 95 OSR2 February 1997 / January 1 2.1 GB / 14 ms / DMA Mo EIDE / busmaster / PCI 2.		
Display - size and type	11.3" Dual Scan SVGA co	olor   12.1" TFT SVGA color	
Display - techology	11.3" SVGA color / 640 x 256 simultaneous colors /		color / 640 x 480 or 800 x 600 / 65,536 sim colors TFT - active matrix / 100 to 1 contrast ratio
Gaphics - features Graphics - external	PCI 2.1 / 32 bit / 32 bit path Simultaneous LCD and CF External SVGA to 1024 x 7	'68 with 256 colors	- Microsoft Windows 95 OSR2 - Online User's Guide
Memory - std / max Memory - features Memory - upgrade	8 MB / 40 MB (72 MB w/ T 70 ns / non-parity / 3.3 volt 1 socket for one JEDEC 1		ThinkPad Features Program     PC Card Director 4.0     Diskette Factory
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag lo	d remains flat (no sloop) / opt P Replicator adds	4. Duna TransVittM
Dimensions Weight	11.7 x 8.7 x 1.22" (124 cub 4.12 pounds (1.87 kg)	ic inches) [4.10 pounds (1.86 kg)	IBM Anti-Virus     IGN/Netscape web browser
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion / intelligent 3 hours 2.5 to 3.5 hrs / 1.5 hrs		8. Ergonomics 9. Lotus Organizer - Lotus SmartSuite 96 CD-ROM -
Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features  Video in/out MPEG decoder	None ThinkPad 560 Port Replica 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	EIDE, graphics, PCMCIA) / Mobile Triton 82430 ator /pe III EEE P1284-A, EPP, ECP, bidirectional) ong (35 watts) with barrel connector (slim) /	DMX
DSP function Data/fax modem Audio support  Jacks Telephone	Internal stereo speakers / Input jack (3.5 mm) / Output None		unit and provides a keyboard slope. Following are its connectors:
Infrared ports Security	Power-on password / hard	rDA 1.0 compatible / up to 115 Kbps disk password / Locking device keyhole on back / Personalization screen at startup	- Release button - Security keyhole (Kensington) - Mouse
Preinstalled software Warranty	Windows 95 with application		- I didiici
Easy-Setup is entered turning on.	by holding F1 when	OPTIONS	- Serial (9 pin) - External diskette drive - Power jack
Fn + F2 = Battery g Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CR' Fn + F11 = Power m Fn + F12 = Hibernati  Hardware accelerati Windows™ is integrat graphics controller; intaxis; color space convenabled  System does not have	T/Simultaneous gmt ion on of 'Video for ed into the 9382 terpolation in X and Y	- Disks: (365/760 IDE disks not supported) 1.08 GB HDD II EIDE 13 ms	PEATURES OF 560 MODELS  Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate indention Personalization screen at startup International Warranty Service IBM System Care Program 1 24 hour /7 day telephone, bulletin
exchange. Battery ca system is off, in hiberr power.	an be changed while anation, or under AC	Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).	(http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

# IIM ThinkPad 560E - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	★ 560E  11.3" Dual Scan SVGA colo	<b>&gt; 560E</b> or 12.1" TFT SVGA color		
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	Pentium <sup>a</sup> 150/60 MHz or 16 None 256 KB / write-back / direct External 3.5" 1.44 MB (conn External FDD port (works wi	mapped / 8 ns / synchronous pip lects to left side) / includes case with standard external diskette; no EM option via PCMCIA or paralle	elined burst with a cable kit reqd)	fers to L2 cache and memory
Price Type - model (code) Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2640-30U Pentium 150/60 with MMX Windows 95 OSR2 June 1997 / January 1998 2.1 GB / 14 ms / DMA Mode EIDE / busmaster / PCI 2.1./		MMX technology	
Display - size and type	11.3" Dual Scan SVGA col	or   12.1" TFT SVGA color	7	
Display - techology	11.3" SVGA color / 640 x 4 65,536 sim colors / Dual S			640 x 480 or 800 x 600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident™ CYBER9382 / 64 b	oit SVGA accelerator / 2 MB fast   o memory / DCI, DirectDraw, En r / 135 degree tilt		WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide
Memory - std / max Memory - features Memory - upgrade	16 MB / 80 MB 70 ns / non-parity / 3.3 volt / 1 socket for one JEDEC 144	EDO I pin EDO SO-DIMM of 8, 16, 32	, 64 MB	- ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory - 1. Triton CoSession™ Host
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag loc	èmains flat (no sloop) / opt P Replic	·	CompuServ for Windows     NetFinity for Windows 95     Puma TranXit™     IntelliLink Connect
Dimensions Weight	11.7" x 8.7" x 1.22" (124 cub 4.1 pounds (1.9 kg)	oic inches)   4.1 pounds (1.9 kg)		6. IBM Anti-Virus 7. IBM Global Network with Netscape
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion/intelligent 3 hours 2.5 to 3.5 hrs/1.5 hrs	1 1 2 2 2 ( 2 3)		web browser 8. Registration Mailer 9. Lotus Organizer - 10. Lotus SmartSuite 96
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, diskette, serial, p PCI 2.1 / 32 bit / 33 Mhz (EII None ThinkPad 560 Port Replicate 2 Type I or 2 Type II or 1 Tyy One 9 pin; 16550A / one (IE Universal AC Adapter 2 pro APM-aware BIOS / APM 1.	Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)  Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer)		
Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports	Internal stereo speakers / .5 Input jack (3.5 mm) / Output None	MIDI FM synthesis / ESS1688 watt / rotary volume control / inte jack (3.5 mm) / not full duplex sp DA 1.1 compatible / up to 4 Mb	eakers/mic	The optional <b>ThinkPad 560 Port Replicator</b> acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors:
Security	Power-on password / hard of	lisk password / Locking device k		- Release button
Preinstalled software Warranty Service options	Windows 95 with application  1 year - ThinkPad EasyServ	Personalization screen at startup as (listed on right) v (depot repair service) or carry-inday (71 cities) / Warranty extens	n ion to 3 or 5 years	- Security keyhole - Mouse - Keyboard - External monitor - Parallel
Easy-Setup is entered turning on.	, ,	OPTIONS - Disks: (365/760 IDE disks not seed to 2.1 GB HDD 14 ms	supported) 45H8783	- Serial (9 pin) - External diskette drive - Power jack
Fn +F2 = Battery g Fn +F3 = Standby Fn +F4 = Suspend Fn +F7 = LCD/CR' Fn +F11 = Power m Fn +F12 = Hibernati	T/Simultaneous gmt on	4.0 GB HDD 13 ms  ThinkPad 560 Port Replicate ThinkPad 560 Li-Ion Battery 35 watt AC Adapter - barrel 35 watt AC Adapter (slim, 2 8 MB SO DIMM 3.3v NP EDO 16 MB SO DIMM 3.3v NP EDO	02K0501 or 46H4209 Pack 46H4206 3 prong 85G6719 pin) 76H0139 64 bit 92G7340	FEATURES OF 560E MODELS  Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant
Windows™ is integrat graphics controller; int axis; color space conv enabled	red into the 9382 terpolation in X and Y	<ul> <li>32 MB SO DIMM 3.3v NP EDG</li> <li>64 MB SO DIMM 3.3v NP EDG</li> <li>External 4 x PCMCIA CD-ROI</li> <li>Ext 4 x PCMCIA Stereo CD</li> <li>8-20 x Portable CD-ROM</li> </ul>	O 64 bit       92G7342         O 64 bit       76H0268         M       1969008         -ROM       1969009         1969010	Personalized nameplate indention Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet
exchange. Battery ca system is off, in hiberr power.	an be changed while	<ul> <li>8-20 x Portable Stereo CD-I</li> <li>PCMCIA 33.6 Kbps modem</li> <li>PCMCIA 33.6 modem w/ X</li> <li>56K PC Card Modem Kit</li> <li>Other options from ThinkPa</li> </ul>	JACK 25H6420 55H6759 04K0052	(http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	Pentium® MMX™ 200/66 or 2 None 256KB / write-back / direct ma External 3.5" 1.44MB (connec External FDD port (works with None (CD-ROM drive as opti	apped / 8ns .cts to left sid	/ synchronous pipelined burst e) / includes case with a cable xternal diskette; no kit reqd)		New features of 560X (compared to 560E):
Price Type - model (code) Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2640-60U Pentium MMX 200/66MHz Windows 95 OSR2.1 + IE 4. March 1998 / September 199 2.1GB <sup>4</sup> / 14ms / SMART EIDE / busmaster / PCI 2.1 /	98	2640-70U Pentium MMX 233/66MHz Windows 95 OSR2 November 1997 / September 4.0GB / 13ms / SMART /33 or PIO Mode 4 / supports 1	1998	<ul> <li>Supports Enhanced Port Replicator</li> <li>430TX (vs 430MX)</li> <li>MagicGraph128XD (vs CYBER9382)</li> <li>256K simultaneous colors (vs 64K)</li> <li>56 watt AC Adapter (vs 35 watt)</li> <li>ConfigSafe and LANDesk preloaded</li> </ul>
Display - size and type  Display - techology	12.1" HPA SVGA color (dua 640x480 or 800x600 262,144 simultaneous colors 30 to 1 contrast / 150ms / 70	, , , , , , , , , , , , , , , , , , ,	12.1" TFT SVGA color (active 640x480 or 800x600 262,144 simultaneous colors 100 to 1 contrast ratio	′	WINDOWS 95 PRELOAD16  - Microsoft® Windows® 95 OSR2 (FAT16)  • Online User's Guide
Graphics - controller	2MB / iDRAM™ (embedded) Interpolation in X and Y axis / Simultaneous LCD and CRT	/ PCI 2.1 / 2 / color space / 135 degre	conversion		<ul> <li>ThinkPad Features Program</li> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> <li>Puma TranXit™</li> <li>IBM Anti-Virus</li> </ul>
Memory - std / max Memory - features Memory - upgrade	32MB std / 96MB max 60ns / non-parity / 3.3 volt / E 1 socket for one JEDEC 144		O-DIMM of 8, 16, 32, 64MB		IBM Global Network with Netscape web browser     Intelliquest Registration Mailer     Artisoft ConfigSafe
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint® III / no drag lock	remains fla keys	nctions) t (no sloop) / opt P Replicator ac support (with optional cable 54	.	Intel® LANDesk® Client Manager PointCast (with ThinkPad channel) Ergonomics Lotus® SmartSuite 97
Dimensions Weight <sup>2</sup>	11.7" x 8.7" x 1.22" (124 cubic inches); 297 mm x 222 mm x 31 mm 4.17 pounds (1.89 kg)   4.14 pounds (1.88 kg)				<ul> <li>NetFinity for Windows 95 (license only)</li> <li>Recovery CD-ROM with boot diskette</li> </ul>
Battery - type / life <sup>10</sup> Charge time - on / off	Lithium Ion / intelligent / 3.5 h 2.5 to 3.5 hrs / 1.5 hrs	nours			♦ Windows 95 CD-ROM (no installation)
Architecture  Docking Station Port replicator PC Card Std slots  Serial / parallel ports USB port Other features	PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) / ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel 430TX PCIset / PIIX4 (EIDE, USB, PCI to ISA bridge) / TI1250A None ThinkPad 560 Port Replicator / ThinkPad Enhanced Port Replicator 2 Type I or 2 Type II or 1 Type III / CardBus 32-bit PCI / Zoomed Video PCMCIA 2.1 compatible / Texas Instruments® TI1250A controller One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) One USB port Universal AC Adapter; 3 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS			Disk is not removable, but it can be upgraded via a dealer or service center (not customer installable).  Easy-Setup is entered by holding F1 when turning on.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.	
Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	Internal mono speaker / .5 w	esis / CS42 att / rotary v	37B / SRS 3D audio (if use exts rolume control / internal microp (3.5 mm) / not full duplex speal	phone	The optional <b>ThinkPad 560 Port Replicator</b> acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors:  - Release button
Security	· · · · · · · · · · · · · · · · · · ·	isk passwo	rd / security keyhole on back /		<ul><li>Security keyhole</li><li>Mouse</li><li>Keyboard</li></ul>
Limited warranty <sup>11</sup> Service options <sup>15</sup>			oor depot repair service) or car es) / warranty extension to 3 or		<ul><li>External monitor</li><li>Parallel</li></ul>
ThinkPad Enhanced	Port Replicator provides dditional I/O ports, and	- 2.1GB di	OPTIONS sk, 14ms 4	15H8783	- Parialler - Serial (9 pin) - External diskette drive - Power jack
	to secure the ThinkPad,	<ul> <li>ThinkPage</li> </ul>	sk, 13ms, Ultra DMA/33 0 d 560 Port Replicator 4	02K0501 02K0518 46H4209	FEATURES Wired for Management 1.1a
- External diskette driv - Power connector Features of the PC Ca - Two Type III slots (s - PC Card Standard 9 - CardBus compliant (	n), Parallel (25 pin) yboard, Mouse 5 mm) 15 pin) - not on system ye connector  ard slots: ide by side) 5 compliant (PCI 2.1 / 32-bit)	- ThinkPac - 56 watt A - 8MB SO - 16MB SC - 16MB SC - 32MB SC - 64MB SC - 20X-8X F - 20X-8X F - PCMCIA - PCMCIA	4560 Li-lon Battery Pack C Adapter (barrel; 3 prong) DIMM 3.3v NP EDO 64-bit D DIMM NP EDO 64-bit (new) D DIMM 3.3v NP EDO 64-bit 9 D DIMM 3.3v NP EDO 64-bit 7 D DIMM 3.3v NP EDO 64-bit 7 Ortable CD-ROM 1 33.6Kbps modem 2 33.6 modem w/ XJACK 5	01K1124 02G7342 76H0268 1969010 1969011 25H6420 55H6759 04K0052	DMI 2.0 compliant PC 97 compliant Setup Guide, User's Guide, Up and Running Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra™ 24 hour / 7 day telephone³0, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service

IBM® ThinkPad®					
Processor Processor features L2 cache Diskette drive External FDD port CD-ROM drive	Intel® Mobile Pentium® No processor upgrade / p 512KB / synchronous pip External 3.5" 1.44MB (co External FDD port (works None (CD-ROM drive as	processor on I pelined burst / pnnects to left s with standar	th a cable	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98  • ThinkPad Utilities  • Online User's Guide  • ThinkPad Configuration Program	
Display - size and type  Display - techology  Graphics - controller	2640-90U Windows 98 NT 4. Pentium II 233MHz 4.0GB <sup>4</sup> / 13ms / SMART- Disk can be removed and EIDE / busmaster / PCI 2 September 1998 / 90U a 12.1" TFT SVGA color (640x480 or 800x600 16.7 million simultaneous 100 to 1 contrast ratio NeoMagic™ MagicGrap 2MB / iDRAM™ (embedo Interpolation in X and Y a	d upgraded by 2.1 / supports and 91U with active matrix) is colors  h128XD™ (N led) / PCI 2.1	Windows 98 NT Pentium II 300MHz 16.4GB / 13ms / SMAR' y customer / Ultra DMA/s one internal disk drawn March 1999; othe All models: - C: drive is FAT16 - D: drive is FAT32 FAT16 (if NT) of r M2160) / 128-bit SVGA a / Zoomed Video support	and a space of accelerator	<ul> <li>ThinkPad on the Net</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> <li>Ergonomics</li> <li>IBM Product Registration</li> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>Lotus® SmartSuite 97</li> <li>Artisoft ConfigSafe</li> <li>Norton AntiVirus</li> <li>Customization Center CD-ROM</li> <li>Product Recovery CD-ROM (with boot diskette)</li> </ul>
Graphics - features Graphics - external Memory - std / max Memory - features Memory - upgrade	Simultaneous LCD and C External SVGA to 1024x 32MB std / 96MB or 160l 60ns / non-parity / 3.3 vo 1 socket for one JEDEC	768 with 65,5 MB* max lt / EDO	36 colors (or 800x600 w 64MB std / 128MB or 1	92MB* max	WINDOWS NT PRELOAD <sup>16</sup> - Windows NT® Workstation 4.0  - Service Pack 3  • ThinkPad Utilities
Keyboard / # of keys Keyboard slope Pointing device Palm rest Dimensions	Full size alp/num keys / Large palm rest / keybo TrackPoint® / Press-to-S Integrated palm rest / ext 11.7" x 8.7" x 1.22" (124	ard remains f elect / Releas ernal keyboa	lat (no sloop) / opt P Rep se-to-Select / dragging / rd support (with optional	click pace cable 54G0441)	<ul> <li>Online User's Guide</li> <li>Puma IntelliSync 97 (infrared)</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> <li>Ergonomics</li> <li>IBM Product Registration</li> </ul>
Weight <sup>2</sup> with battery  Battery - type / life <sup>10</sup> Charge time - on / off	90U: 4.1 lbs (1.88 kg) Lithium Ion / intelligent / 3 2.5 to 3.5 hrs / 1.5 hrs		.2 lbs (1.92 kg)		SystemSoft CardWizard     Customization CD-ROM (apps/drive     Product Recovery CD-ROM (with both
Docking Station Port replicator PC Card Std slots Serial / parallel ports	Intel 440BX PCIset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) / TI PCI1250A ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) None Port Replicator with Advanced EtherJet / ThinkPad 560 Port Replicator 2 Type I or 2 Type II or 1 Type III / CardBus 32-bit PCI / Zoomed Video PCMCIA 2.1 compatible / Texas Instruments® TI1250A controller One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)				diskette)  Easy-Setup is entered by holding F1 when turning on.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.
Video in/out MPEG decoder Data/fax modem Audio support  Jacks	One USB port Universal AC Adapter; 3 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS  None None (software support for MPEG-1 in Windows 98) 56Kbps <sup>23</sup> PC Card modem / x2 / cellular capable / XJACK / IBM pn 02K4196 16-bit audio chip / FM synthesis / CS4237B / SRS 3D audio (if use ext speakers) Internal mono speaker / .5 watt / keyboard volume control / internal microphone Input jack (3.5 mm) / stereo output jack (3.5 mm) / full duplex speakers/mic				The optional ThinkPad 560 Port Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors: - Release button - Security keyhole - Mouse
Infrared ports Security	Power-on password / ha personalization screen a	rd disk passw	<u> </u>		- Keyboard - External monitor - Parallel
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>1 year</b> - carry-in or Think On-site <sup>32</sup> , M-F, 8-5, next				<ul><li>Serial (9 pin)</li><li>External diskette drive</li><li>Power jack</li></ul>
EtherJet Feature. F - 10/100 ethernet (Inte - Dual IBM lock slots: PC Cards, and Port Connectors: - USB, serial (RS-232 external display, key - Audio in and out (3.5)	el 82558, Wake on LAN™) to secure the ThinkPad, Replicator  1, 9 pin), parallel (25 pin), board, mouse 5 mm) 15 pin) - not on system we connector  ard slots: side by side) 5 compliant (PCI 2.1 / 32-bit)	- ThinkPad - Port Repli - ThinkPad - 56 watt AC - 16MB SO - 32MB SO - 64MB SO - 20X-8X PC - 20X-8X PC - 56K PC - V.90 PC C - ThinkPad	OPTIONS k, 13ms, Ultra DMA/33 560 Port Replicator cator w/ Advanced Ethe 560 Li-lon Battery Pack C Adapter (barrel; 3 pror DIMM 3.3v NP EDO 64 DIMM 3.3v NP EDO 64 DIMM 3.3v NP EDO 64 ortable CD-ROM ortable Stereo CD-ROM ard Modem/Cellular Capa Card Modem with XJACI Proven™ solutions¹² (vi ww.ibm.com/pc/us/think	46H4206 19) 83H6739 1-bit 01K1124 1-bit 92G7342 1-bit 92G7342	FEATURES  Wired for Management 1.1a compliant DMI 2.0 compliant PC 97 compliant ACPI ready (APM enabled) Setup Guide, User's Guide, Windows 98 or NT Manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra® 35 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support

IBM® ThinkPad®		WINDOWS 98 PRELOAD <sup>16</sup>
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	Intel® Mobile Pentium® II 300PE, 333MHz, or 366MHz¹ / 66MHz system bus No upgrade / processor in Ball Grid Array (BGA) / North and South Bridge cores 256KB / onboard (full speed) / sync pipelined burst / write-back / ECC External 3.5" 1.44MB / use externally with std cable or in UltraBase Option: CD-ROM / 24X-10X⁵ speed / bootable / removable from UltraBase Option: DVD-ROM / bootable / removable from UltraBase	Microsoft® Windows® 98     ThinkPad Utilities     ThinkPad Configuration Program     ThinkPad on the Net     IBM Update Connector     Online User's Guide
Type - model Processor Display (diagonal) Preload (see side) Disk (removable)	\$\times 2644-2AU PII 300PE 12.1" TFT Windows 98 4.0GB4 / 13/14ms       \$\times 2644-1AU PII 333MHz 13.3" TFT NT 4.0       \$\times 2644-1BU PII 333MHz 13.3" TFT Windows 98 (A.0GB4 / 13/14ms PIO4 or Ultra DMA/33 / 9.5mm       \$\times 2644-1BU PII 366MHz 13.3" TFT Windows 98 (A.0GB / 13/14ms PIO4 or Ultra DMA/33 / 9.5mm       \$\times 2644-3BU PII 366MHz 13.3" TFT Windows 98 (A.0GB / 13/14ms PIO4 or Ultra DMA/33 / 9.5mm	Ergonomics     Intelliquest Registration     RingCentral     Puma Intellisync 97 (on CD)     IBM Global Network Dialer     Netscape Communicator
Avail / withdr date  Memory (std / max)	April 1999 / 2AU withdrawn Dec 99; 1AU, 1BU on Mar 2000; 3AU, 3BU on July 00 64MB std / 192MB max SDRAM / non-parity / 66MHz / 3.3v / sockets accessed by removing screw on base One 144-pin socket / 64MB on planar / 1 socket available	ConfigŚafe®     Norton AntiVirus™ (OEM Version)     PC-Doctor     Universal Management Agent (on CD)
Display Display - features	12.1" (307.3mm) TFT color / Active Mat 13.3" (337.8mm) TFT color / Active Mat SVGA / 800x600 / 100 to 1 contrast ratio XGA / 1024x768 / 150 to 1 contrast ratio 16.7 million simultaneous colors / 30ms refresh rate / 150 degree tilt / 125 nits (AC), 70 nits (battery)	Norton Mobile Essentials Lotus® SmartSuite® Millennium²0 Access ThinkPad Software Selections CD-ROM Access CD-ROM (Mindeus 00)
•	NeoMagic™ MagicMedia256AV™ (NM2200) / Accelerated Graphics Port 2.5MB / SGRAM (embedded) / 128-bit engine, 256-bit memory interface AGP 1X / no sideband signaling / motion compensation / DDC2B / simultaneous LCD and CRT²6 / multiple-monitor support²6 for Windows 98	<ul> <li>Recovery CD-ROM (Windows 98)</li> <li>Recovery CD-ROM (Windows 95)</li> <li>WINDOWS NT PRELOAD</li> <li>Microsoft Windows NT® 4.0</li> </ul>
Disk Disk controller	Left front / removable via coin screw or 2.5mm Allen wrench / SMART <sup>29</sup> / upgradeable Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4E DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt UltraBase	Service Pack 4a     ThinkPad Utilities     ThinkPad Configuration Program     IBM Update Connector
Keyboard / Fn keys Keyboard slope Pointing device	Full size 85-key keyboard / 10 Fn key functions / integrated palm rest Flat keyboard (does not lift up) / optional Port Replicator adds slope TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare caps	Online User's Guide     Ergonomics     Intelliquest Registration     RingCentral (on CD)
Dimensions <sup>36</sup> Weight <sup>2</sup> Weight w/ UltraBase Case material	2AU: 11.8 x 9.4 x 1.0" Others: 11.8 x 9.4 x 1.1" (122 cubic inches) 2AU: 3.9 lbs (1.78 kg) with battery Others: 4.0 lbs (1.83 kg) with battery with CD-ROM and diskette drives: 2AU: 6.8 lbs (3.07 kg) Others: 6.9 lbs (3.12 kg) Top: carbon-fiber reinforced plastic; Bottom: glass-fiber reinforced plastic	Puma Intellisync 97 (on CD)     IBM Global Network Dialer (on CD)     Netscape Communicator (on CD)     ConfigSafe     Norton AntiVirus (OEM Version)
	Lithium Ion / intelligent / remove from base / locked with latch 1xx: 3.3 hrs; 2xx: 3.5 hrs; 3xx: 3.0 hrs / supports 2nd battery in UltraBase 3 to 4 hrs / 2.5 to 3 hrs / no non-disruptive battery exchange	<ul><li>PC-Doctor</li><li>Universal Management Agent (on CD)</li><li>Access ThinkPad (on CD)</li></ul>
Architecture  Port replicator (opt)	Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1450 for CardBus / AGP for graphics / ADM1021 digital thermometer / PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, modem, audio, USB, ext expansion) / PC97338 Super I/O / ISA (diskette, serial, parallel, infrared, ext expansion) UltraBase / the following are supported by attachment to UltraBase or Direct Dock	SystemSoft CardWizard (on CD)     Software Selections CD-ROM     Recovery CD-ROM (Windows NT)     Lotus SmartSuite Millennium <sup>20</sup> CD
Docking Station PC Card Std slots USB / serial / paralle Other features	Adapter: ThinkPad Port Repl with Advanced EtherJet and Port Replicator None (UltraBase has two bays) 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video IOne USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Ultraslim 56 watt AC Adapter, barrel, 3 prong / IBM BIOS Setup Utility (hit F1 at boot)	optional DVD drive (hot or warm swap)
Video (TV) out MPEG-2/DVD Data/fax modem Audio support	None Software supported DVD movie playback (via UltraBase and UltraslimBay DVD) 56K <sup>37</sup> / V.90 / 14.4K fax / RJ-11 port / voice-capable / integrated Lucent <sup>®</sup> 1646 / international programmable DAA / Mini PCI Type IIIb CS4280 / PCI / FM synthesis / 16-bit playback and record / CS4297 (AC97) /	<ul> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk (cold swap only)</li> </ul>
Jacks (3.5mm) Infrared ports	full duplex / int speaker (bottom) / .5 watt / Fn+PgUp and PgDn (volume) / int mic Microphone jack (stereo) / headphone jack (stereo) / line-in jack (stereo) Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps	<ul> <li>optional ThinkPad Proven™ solutions¹²</li> <li>UltraBase right bay supports:</li> <li>standard diskette drive (hot swap)</li> <li>battery (uses standard 570 battery)</li> </ul>
Security  Limited warranty <sup>11</sup>	Power-on password / hard disk password / supervisor passwrd / security keyhole / Phillips-head screw on base for memory / optional Allen screw for disk  3 year - carry-in or ThinkPad EasyServ <sup>TM31</sup> Rapid Depot Repair (3 business day average turnaround)	Other features
- 32MB SO DIMM 3	On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date 3.3v NP SDRAM 76H0294 - 6.0GB disk, 12ms, ATA-66 05K9199 3.3v NP SDRAM 20L0241 - 6.4GB disk, 13ms, Ultra DMA/33 02K0518	PC 98 and DMI 2.0 compliant DMI instrumentation (thermal monitoring) ACPI ready (APM enabled)
- 128MB SO DIMM  Color depth LCD  Resolution TFT 640x480 16M 800x600 16M 1024x768* 16M 1280x1024** 256	External Monitor	Setup Guide, User's Reference, Quick Reference and Service Info Card, Options catalog, Windows manual
** Virtual screen m All models: - C: drive is FAT16	ode on 12.1" IF1 screen ode on both 12.1" and 13.3" - SuperDisk LS-120 (UltraslimBay) 20L1929 24X-10X5 CD-ROM (UltraslimBay) 05K9122 24X-10X5 DVD Drive (UltraslimBay) 05K8890 6f 2GB - 6X-2X5 DVD Drive (UltraslimBay) 05K9169 - Zip 100MB Drive 570/600(UltraslimBay) 37L1507	Personalized Web-based support International Warranty Service <sup>14</sup> IBM SystemXtra®35 24 hour / 7 day30 telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support

IBM® ThinkPad®					WINDOWS 98 PRELOAD <sup>16</sup>
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	Intel® Mobile Pentiu No upgrade / process 256KB / onboard (at External 3.5" 1.44MB Option: CD-ROM / 2 Option: 6X-2X <sup>5</sup> DVD	sor in Ball Grid Arra processor speed) / use externally with 4X-10X <sup>5</sup> speed / bo	l South Bridge cores st / write-back / ECC 3ase rom UltraBase	- Microsoft® Windows® 98 Second Ed	
Type - model Processor Preload (see side) Disk (removable) Avail / withdrawn date	Pentium III 450 Windows 98 SE				RingCentral Fax     ConfigSafe®     Norton AntiVirus™ (OEM Version)     PC-Doctor     Universal Mgmt Services (web)     Norton Mobile Essentials
Memory (std / max)	64MB std / 320MB m SDRAM / non-parity / One 144-pin socket /	100MHz / 3.3v / so	ckets accessed by re	emoving screw on bas	V Software Selections CD-110W
Display Display - features	13.3" (337.8mm) TFT XGA / 1024x768 / 150 16.7 million simultane 125 nits (AC), 70 nits	color / Active Matr 0 to 1 contrast ratio cous colors / 30ms r	rix	gree tilt /	<ul> <li>♦ Lotus® SmartSuite® Millennium CD</li> <li>♦ Recovery CD-ROM (Windows 98)</li> <li>♦ Recovery CD-ROM (Windows 95)</li> </ul>
	NeoMagic™ MagicM 2.5MB / SGRAM (em AGP 1X / no sideband simultaneous LCD ar	ledia256AV™ (NM2 bedded) / 128-bit ei d signaling / motior	ngine, 256-bit memon compensation / D	ry interface DC2B /	WINDOWS 2000 PRELOAD <sup>16</sup> Windows 2000® Professional     ThinkPad Utilities     Online User's Guide
Disk Disk controller	Left front / removable Enhanced IDE / busm DMA Mode 2, Ultra D	via coin screw or 2.5 naster / PCI 2.1 / Sc	5mm Allen wrench / South Bridge / PIIX4M	MART <sup>29</sup> / upgradeable /	PC-Doctor     RingCentral Fax
Keyboard / Fn keys Keyboard slope Pointing device	Full size 85-key keybe Flat keyboard (does n TrackPoint® / Press-t center click button for	not lift up) / optiónal to-Select / Release-	Port Replicator adds to-Select / dragging	s slope / click pace /	Netscape Communicator     Universal Mgmt Services (web)     ConfigSafe     IBM Update Connector     Netscape Communicator
Dimensions <sup>36</sup> Weight <sup>2</sup> Weight Case material	11.8 x 9.4 x 1.1" (122 3.97 lbs (1.80 kg) with with optional UltraBas <i>Top:</i> carbon-fiber rein	n battery se CD-ROM and dis			Norton AntiVirus (OEM version) Software Selections CD-ROM Clous SmartSuite Millennium CD Recovery CD-ROM (Windows 2000) Recovery CD-ROM (Windows NT)40
<del></del>	Lithium Ion / intelligen 3.0 hrs / supports 2nd 3 to 4 hrs / 2.5 to 3 hr	battery in UltraBases / no non-disruptive	e e battery exchange		- Viecovery OD-HOW (Williams NT)
	Intel 440BX AGPset TI® PCI1450 for Card PCI 2.1 / 32-bit / 33M PC97338 Super I/O / UltraBase / the follow Adapter: ThinkPad Po None (UltraBase has 2 Type I, 2 Type II, or One USB / one 9 pin s	IBus / AGP for grap IHz (EIDE, CardBu: ISA (diskette, seria ing are supported b ort Repl with Advanc two bays) 1 Type III / CardBu erial; 16550A / one	whics / ADM1021 dig s, modem, audio, Us l, parallel, infrared, e y attachment to Ultra ed EtherJet and Port as 32-bit / PCMCIA 2 (IEEE P1284-A, EPF	ital thermometer / SB, ext expansion) / xt expansion) Base or Direct Dock Replicator .1 / Zoomed Video P, ECP, bidirectional)	ULTRABASE OPTION  Left bay of UltraBase supports most UltraslimBay options: • optional CD-ROM (hot or warm swap) • optional DVD drive (hot or warm swap) • optional LS-120 SuperDisk drive (cold
Other features Video (TV) out MPEG-2/DVD Data/fax modem Audio support Jacks (3.5mm) Infrared ports	Vitraslim 56 watt AC A None Software supported D 56K <sup>22</sup> / V.90 / 14.4K f international program CS4280 / PCI / FM sy full duplex / int speake Microphone jack (sterd Infrared port (on right)	DVD movie playback ax / RJ-11 port / vo mable DAA / Mini P nthesis / 16-bit playl er (bottom) / .5 watt eo) / headphone jac	(via UltraBase and ice-capable / integra CI Type IIIb back and record / CS / Fn+PgUp and PgEk (stereo) / line-in jac	UltraslimBay DVD) ted Lucent® 1646 / 4297 (AC97) / On (volume) / int mic	swap only)  • optional Zip 100MB drive (cold swap)  • optional HDD adapter; for second disk (cold swap only)  • optional ThinkPad Proven™ solutions¹² UltraBase right bay supports:  • standard diskette drive (hot swap)  • battery (uses standard 570 battery) Other features
Security	Power-on password / Phillips-head screw o				stereo speakers (0.5 watts)     security keyhole, UltraBase lock
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>3 year</b> - carry-in or Thaverage turnaround) On-site <sup>32</sup> , M-F, 8-5, no	•		`	MIDI/joystick port, line out, USB port     PC 98 and DMI 2.0 compliant
	s, ATA-66 05K:  (Base only) 37L2    External Monitor	9200 - 64MB SC 2993 - 128MB S - 128MB S - ThinkPa - Direct Do - Port Rep - Port Rep - Ultraslim - Ultraslim - SuperDis - 24X-10X - 6X-2X <sup>5</sup> D - Zip 100M - ThinkPac - ThinkPac	d 570 UltraBase  ock Adapter (from Colicator licator w/ Advanced  56 watt AC Adapter Bay HDD adapter (fo kk LS-120 (Ultraslimb CD-ROM (Ultraslimb VD Drive (Ultraslimb VD Drive (Ultraslimb	SDRAM 20L0254 P SDRAM 20L0255 SDRAM 33L3069 05K5840 00M4650 46H4209 EtherJet 05K4872 (3 prong) 02K6545 r 2nd disk) 05K5336 Bay) 05K9122 Bay) 05K9122 05K9169 raslimBay) 37L1507 02K6546	DMI instrumentation ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN® support28 Setup Guide, User's Reference, Quick Reference and Service Info Card, Options catalog, Windows manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Personalized Web-based support International Warranty Service14 IBM SystemXtra®.35 24 hour / 7 day30 telephone, bulletin board, fax, electronic, and Internet

IBM® ThinkPad®					The right bay (UltraslimBay) has LED on	
Processor type/path Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD¹9 (removable)	Intel® Pentium® MMX™ 2 No upgrade / processor, L 512KB / sync pipelined bu 3.5" 1.44MB / use in Ultraslim External diskette port on ri Standard or option: 5.25" EIDE (ATAPI) / PIO Mode Option: 2X⁵ DVD-ROM dr Option: Removable Ultras	2 cache, and mem cntr Irst (66MHz for Pentiun IBay (CD-ROM models ir ght side (can use simu CD-ROM / 24X-10X <sup>5</sup> s 4 for W95; DMA Mode ve / removable Ultraslir	lobile Module ed for Pent II) e enclosure) nal CD-ROM) arm swap traslimBay swap	release latch to provide status; supports warm swapping:  • std diskette and travel cover  • std or optional CD-ROM  • optional DVD drive¹9  • opt LS-120 SuperDisk drive (cold swap)  • optional Zip 100MB drive (cold swap)  • optional HDD adapter (cold swap)  • optional ThinkPad Proven™ solutions¹²		
Type - model Processor Display (diagonal) Disk (removable) Preload (see side) CD-ROM Modem Avail / withdr date	** 2645-21U Pent 233/66 Pent 233/66 13.0" HPA XGA 12.1 TFT 3.2GB <sup>4</sup> /PIO4 W95 OSR2.1 CD-ROM std 56Kbps Optional Opt PC CApr 98/Dec 98 Apr 98/Dec	File   Pile 233/66MHz     SVGA	3.2GB / PIO4 4.0 W95 OSR2.1 W9 CD-ROM std CD	266/66MHz .3"TFT XGA OGB / PIO4 95 OSR2.1 D-ROM std Kbps	<ul> <li>≈ 2645-A1U</li> <li>PII 266/66MHz</li> <li>13.3"TFT XGA</li> <li>None (AAP)</li> <li>Blank (no disk)</li> <li>None (AAP)</li> <li>C: drive is FAT16 of 2GB</li> <li>D: drive is FAT32 of remaining space</li> </ul>	
Memory - std / max Memory - upgrade	32MB / 256MB³ (TX max= SDRAM / non-parity / 66M SDRAM SO-DIMMs / sock	IHz / 3.3v / 2 sockets a	vailable for two JEDI		WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft® Windows® 95 OSR2.1 • Internet Explorer 4.01	
Display	(See below) SVGA or XGA	A color / TFT or HPA / 18	80 degree tilt		Online User's Guide	
Graphics - arch Graphics - features Graphics - external	NeoMagic™ MagicGraph 2MB / iDRAM™ (embedde Support for DirectX 5.0, DI External SVGA to 1024x76	d) / Zoomèd Video súp DC2B, color space con 8 with 65,536 colors (8	port version 00x600 with 16.7 mill	lion colors)	ThinkPad Configuration Program ThinkPad Customization Center Puma IntelliSync 97 (infrared) IBM AntiVirus 3.02 (not installed) ConfigSafe 1.05 (must install)	
Disk Disk controller	Left front / removable via c Enhanced IDE / busmaste DMA Mode 2, Ultra DMA/3	r / PCI 2.1 / South Bridg 3, or PIO Mode 4 / supp	e / PIIX4 oorts 2nd disk in opt l		IBM Global Network Dialer 4.15.6 with Netscape Navigator web browser     Intel LANDesk® Client Manager 3.1	
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num keys / 9 F Flat keyboard (does not lift <b>TrackPoint</b> ® / Press-to-Se center click button for scro	up) lect / Release-to-Selec	t / dragging / click pad	ce / spare caps	(not installed)     PointCast with ThinkPad channel     Ergonomics     Netfinity 5.1 for Windows 95 (not installed)     Tivoli Light Client Framework (not installed)	
Dimensions <sup>36</sup> Weight <sup>2</sup>	Approximately 11.8 x 9.4 x 4.72 lb (2.14 kg) to 5.62 lb		; 300mm x 240mm x	36.5mm		
Battery - type Battery - life <sup>10</sup> Charge time - on / off	Lithium Ion / intelligent / rei 3.0 hrs / no non-disruptive b 2 to 3 hrs / 1.5 to 2.5 hrs		d with latch		Lotus SmartSuite 97 <sup>20</sup> Ring Zero RingCentral 4.10     Intel Video Phone 2.0.1     IBM Update Connector     IBM Product Registration     Customization CD-ROM (apps/drivers)     Recovery CD-ROM with boot diskette	
Architecture	Intel 430TX, PIIX4 for Per PCI 2.1 / 32-bit / 33MHz (I TI PCI1250A for CardBus ISA (audio, modem, disker SelectaBase 600 / PC Ca	EIDE, graphics, CardBu / LM75 digital thermom te, serial, parallel, infra	us, USB, ext expansi eter / PC97338 Sup- red, ext expansion)	ion) er I/O /		
Port replicator Docking Station PC Card Std slots USB / serial / parallel Other features	SelectaDock III / Selectal 2 Type I, 2 Type II, or 1 Tyl I One USB / one 9 pin serial APM-aware BIOS / AC Ada	Dock I and II be III / CardBus 32-bit / ; 16550A / one (IEEE P	PCMCIA 2.1 / Zoomo 1284-A, EPP, ECP, b	ed Video bidirectional)	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.	
Video in/out MPEG decoder Data/fax modem	None None (software support fo Some models: 56Kbps (x2			nice-canable /	ThinkPad 600 supported disks: - 3.2GB 13ms read/14ms write	
Audio support  Jacks		3780i DSP / internationa <b>) audio</b> / FM synthesis / .5 watt <b>/</b> Fn+PgUp and	programmable DAA / PgDn (volume) / int	modem cable	9.5 mm PIO Mode 4 or Ultra DMA/33 - 4.0GB 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33 - 6.4GB 13ms read/14ms write	
Infrared ports Security	Infrared port (on right) / IrD Power-on password / hard	Á 1.1 compatible / <b>up t</b> o	4Mbps	rity keybole /	12.5 mm PIO Mode 4 or Ultra DMA/33	
Limited warranty <sup>11</sup>	personalization / phillips-he <b>3 year</b> - carry-in or ThinkPa	ead screw on base for n	nemory / opt Allen sc	rew for disk	FEATURES - PC 97 compliant	
Service options <sup>15</sup>	average turnaround) On-site <sup>32</sup> , M-F, 8-5, next by	•	DMI 2.0 compliant DMI instrumentation (thermal monitoring) ACPI 1.0 compliant			
13.0" (330.2 mm) HPA XGA color - HIgh Performance Addressing (Dual Scan) - 640x480 (16 million), 800x600 (16 million), or 1024x768 (65,536 simultaneous colors) - 150ms; 40 to 1 contrast ratio - 70 nits (AC), 40 nits (battery)  12.1" (307.5 mm) TFT SVGA color - Active Matrix TFT - 640x480 (16 million) or 800x600 (16 million simultaneous colors) - 75ms; 100 to 1 contrast ratio - 110 nits (AC), 70 nits (battery)  13.3" (337.8 mm) TFT XGA color - Active Matrix TFT - 640x480 (16 million), or 1024x768 (65,536 simultaneous colors) - 110 nits (AC), 70 nits (battery)  13.3" (337.8 mm) TFT XGA color - Active Matrix TFT - 640x480 (16 million), 800x600 (16 million), or 1024x768 (65,536 simultaneous colors) - 75ms; 100 to 1 contrast ratio - 100 to 1 contrast ratio - 24x-10x CD-ROM (UltraslimBay; includes external diskette enclosure) - 16MB SO DIMM 3.3v NP SDRAM - 64MB SO DIMM 3.3v NP SDRAM - 76H0293 - ThinkPad 600 Li-lon Battery - UltraslimBay HDD adapter (for 2nd disk) - SuperDisk LS-120 (UltraslimBay) - 2X DVD Drive (UltraslimBay) - Zip 100MB UltraslimBay Drive - 37L1504			Wired for Management 1.1a Wake on LAN™ support²³ C: is 1.99GB, D: is up to 1.99GB, etc. Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 95 manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service¹⁴ IBM SystemXtra™³⁵ 24 hour / 7 day telephone³⁰, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support			

IBM® ThinkPad®						
Processor type/path Processor features L2 cache Diskette (removable) External FDD port	512KB / sync pipelined burst / B 3.5" 1.44MB / use in UltraslimBa External diskette port on right si 5.25" CD-ROM / 24X-10X <sup>5</sup> spe	he, and mem cntr (North Bridge) on Mobile ECC / 150MHz (half speed) y / ships in external diskette enclosure with a de (can use simultaneously with internal Cl	cable D-ROM)	RingCentral		
DVD <sup>19</sup> (removable) SuperDisk (LS-120)	Option: 2X5 DVD-ROM drive / re	emovable UltraslimBay option / warm swap y option / supports 1.44MB and 120MB disk		<ul><li>Ergonomics</li><li>IBM Product Registration</li><li>Puma IntelliSync 97 (infrared)</li></ul>		
Type - model Preload (see side) Disk (removable) Avail / withdr date		-85U All models: - C: drive is FAT16 of 2GB e) / upgradeable - D: drive is FAT32 (if W98 FAT16 (if NT) of remainin	3) or	<ul> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>IBM Update Connector</li> <li>Artisoft ConfigSafe</li> </ul>		
Memory	Two 144-pin sockets / 32MB on	/ SDRAM / non-parity / 66MHz / 3.3v planar and 1 socket used by 32MB SO-DII ressed by removing screw on bottom	MM /	Norton AntiVirus     Lotus® SmartSuite Millennium CD-ROM     Customization Center CD-ROM		
Display		tive Matrix / XGA / 75ms / 100 to 1 contrast i on colors), 1024x768 (65,536 colors) / 180 degree tilt	ratio/	<ul> <li>Product Recovery CD-ROM (with boot diskette)</li> </ul>		
Graphics - controller Graphics - arch Graphics - features Graphics - external	<b>2MB</b> / iDRAM™ (embedded) / Z Support for DirectX 5.0, DDC2B			WINDOWS NT PRELOAD <sup>16</sup> - Windows NT® Workstation 4.0  • Online User's Guide  • ThinkPad Utilities		
Disk Disk controller	Enhanced IDE / busmaster / PC	rew or 2.5mm Allen wrench / SMART / upgra I 2.1 / South Bridge / PIIX4 PIO Mode 4 / supports 2nd disk inopt HDD a		<ul><li>ThinkPad Configuration Program</li><li>Puma IntelliSync 97 (infrared)</li><li>ConfigSafe</li></ul>		
Keyboard / Fn keys Keyboard slope Pointing device	TrackPoint®/Press-to-Select/	r functions / integrated palm rest optional Port Replicator adds slope r Release-to-Select / dragging / click pace / or magnifying glass / suspension top / spare		IBM Global Network Dialer     Netscape Navigator web browser     Norton AntiVirus (OEM Version)     Ergonomics     IBM Product Registration		
Dimensions <sup>36</sup> Weight <sup>2</sup>	Appoximately 11.8 x 9.4 x 1.4" (5.01 lbs (2.27 kg) with travel cov	155 cubic inches); 300mm x 240mm x 36.5m er and battery only	nm	IBM Product Registration     SystemSoft CardWizard     Lotus SmartSuite Millennium CD-ROM		
Battery - type Battery - life <sup>10</sup> Charge time - on / off	Lithium Ion / intelligent / remove 3.0 hrs / no non-disruptive batter f 2 to 3 hrs / 1.5 to 2.5 hrs		<ul> <li>Customization CD-ROM (apps/drivers</li> <li>Product Recovery CD-ROM (with boot diskette)</li> </ul>			
		therJet <sup>17</sup>	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in			
Other features Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports Security	rallel One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot  None  None (software support for MPEG-1 in Windows 98)  56K (x2, upgradeable to v.90°) / 14.4Kbps fax / telephony / voice-capable integrated Mwave® 3780i DSP / international programmable DAA / modem cable CS4237B / 16-bit / SRS 3D audio / FM synthesis Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int microphone Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps  Power-on password / hard disk password / supervisor password / security keyhole /			hibernation, or under AC power.  ThinkPad 600 supported disks:  -3.2GB 9.5 mm 9.5 mm 9.6 MGB 12.5 mm 12ms read/14ms write PIO Mode 4 or Ultra DMA/33  -5.1GB 12ms read/13ms write 12.5 mm 12ms read/14ms write 12.5 mm 12ms read/14ms write 12.5 mm 12ms read/14ms write 12.5 mm 13ms read/14ms write 12.5 mm 13ms read/14ms write 12.5 mm 12ms read/14ms write 12ms read/14ms write 12ms read/14ms write 12ms read/14ms write		
Limited warranty <sup>11</sup>	3 year - carry-in or ThinkPad Ea	crew on base for memory / opt Allen screw fo syServ™³¹ Rapid Depot Repair (3 business o		FEATURES		
Service options <sup>15</sup>	average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day purchase date	/ (72 cities) / service agreements up to 5 year	ars from	Wired for Management 1.1a PC 97 compliant DMI 2.0 compliant		
- V.90 PC Card Mo - EtherJet PC Card - IBM 10/100 Ether - UltraslimBay HDE - SuperDisk LS-12( - 2X DVD Drive (Ul: The right bay (Ultra latch to provide stat - std diskette and v - std or optional CE - optional DVD driv - optional Zip 1000 - opt LS-120 Supe - opt HDD adapter	dem/Cellular capab dem with XJACK <sup>24</sup> Combo Jet CardBus PC Cd dadapter (for 2nd disk) 05K5336 D (UltraslimBay) John SlimBay) SlimBay) has LED on release tus; supports warm swapping: veight-saver bezel 0-ROM 02K4196 10L7393 20H334 05K8390 05K8890	- 10GB disk, 12ms, Ultra DMA/33 3 - SelectaBase 600 1 - PC Card Enabler 17 8 - PC Card Enabler with EtherJet 1117 0 - SelectaDock I 3 - SelectaDock II 3 - SelectaDock III 3 - SelectaDock III 7 - 56 watt AC Adapter (barrel; 3 prong) 8 - 24X-10X CD-ROM (UltraslimBay; 1 - includes external diskette enclosure) - 16MB SO DIMM 3.3v NP SDRAM 7 - 32MB SO DIMM 3.3v NP SDRAM 7 - 64MB SO DIMM 3.3v NP SDRAM 7 - 64MB SO DIMM 3.3v NP SDRAM 2 - 128MB SO DIMM 3.3v NP SDRAM 2 - 128MB SO DIMM 3.3v NP SDRAM 0 - ThinkPad 600 Li-lon Battery 1 - External Battery Charger 0 - Zip 100MB UltraslimBay Drive 3	6H0294 6H0295 0L0241 1K1150 2J2464 02K6499 67L1504	DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wake on LAN® support <sup>28</sup> C: is 1.99GB, D: is up to 1.99GB, etc. Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 or NT manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup>		

IBM® ThinkPad®						
Processor Processor features L2 cache Diskette (removable) External FDD port	Intel® Mobile Pentium® II No upgrade / processor, L: 512KB / sync pipelined bu 3.5" 1.44MB / use in Ultrasli External diskette port on ri Option: CD-ROM / 24X-10 EIDE (ATAPI) / PIO Mode Std or option: 2X⁵ DVD-Ro Option: Removable Ultras	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98  - ThinkPad Utilities  - Online User's Guide  - ThinkPad Configuration Program  - Ergonomics  - IBM Registration  - RingCentral Fax				
Type - model Preload (see side) Disk (removable) DVD-ROM drive Avail / withdr date	2645-55U Windows 98 6.4GB <sup>4</sup> /13/14ms DVD-ROM Nov 1998 / Mar 1999	2645-A5U (AAP) Blank (no disk) None None Nov 1998 / Mar 1999  All models: - C: drive is FAT16 of space	2GB	<ul> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>ThinkPad on the Net (TCC CD)</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> </ul>		
Memory	Two 144-pin sockets / 32N	32MB std / 288MB max Hz / 3.3v / sockets accessed by removing scr lB on planar / 1 or 2 sockets available / et used by 32MB SO-DIMM	ew on base	<ul> <li>Mediamatics DVD Express</li> <li>IBM Update Connector</li> <li>Lotus SmartSuite Millennium CD-ROM</li> <li>Customization Center CD-ROM</li> </ul>		
Display		r / Active Matrix / XGA / 75ms / 100 to 1 contra 4x768 (up to 16.7 million colors) rry) / 180 degree tilt	st ratio/	Recovery CD-ROM (with boot diskette)		
Graphics - controller Graphics - features	2.5MB/SGRAM (embedd Motion compensation / c	<b>256AV™</b> (NM2200) / <b>Accelerated Graphics F</b> ed) / 128-bit engine, 256-bit memory interface of space conversion / interpolation in X and	e / AGP-1x			
Graphics - external Disk Disk controller	External SVGA to 1024x76  Left front / removable via co Enhanced IDE / busmaster	or Windows 98 / DDC2B / Direct3D 8x16.7 million colors at 85Hz and 1280x1024x oin screw or 2.5mm Allen wrench / SMART / up / PCI 2.1 / South Bridge / PIIX4E	ogradeable	The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping:		
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num keys/ 10 Flat keyboard (does not lift <b>TrackPoint</b> ® / Press-to-Se	3, or PIO Mode 4 / supports 2nd disk in opt HD Fn key functions / integrated palm rest up) / optional Port Replicator adds slope ect / Release-to-Select / dragging / click pace ling or magnifying glass / suspension top / spa	,	std diskette and travel cover     std or optional CD-ROM     optional DVD drive <sup>19</sup> optional UltraslimBay battery (cold swap only)     optional LS-120 SuperDisk drive (cold swap only)     optional Zip 100MB drive (cold swap)		
Dimensions36 Weight <sup>2</sup>		1.4" (155 cubic inches); 300mm x 240mm x 36				
Battery - type Battery - life <sup>10</sup> Charge time - on / of		nove from base / locked with latch pattery exchange / supports 2nd battery in Ultras	slimBay	<ul> <li>optional HDD adapter; for second disk (cold swap only)</li> <li>optional ThinkPad Proven™ solutions¹²</li> </ul>		
Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	TI® PCI1251 for CardBus / PCI 2.1 / 32-bit / 33MHz (E PC97338 Super I/O / ISA (SelectaBase 600 / PC Ca SelectaDock III / SelectaI 2 Type II, or 1 Typ I One USB / one 9 pin serial;	I 82371EB <b>PIIX4E</b> (EIDE, ISA Bridge, USB) / AGP for graphics / LM75 digital thermometer iIDE, CardBus, audio, USB, ext expansion) audio, modem, diskette, serial, parallel, infrarer d Enabler 17 / PC Card Enabler with Advanced Dock I and II el III / CardBus 32-bit / PCMCIA 2.1 / Zoomed 16550A / one (IEEE P1284-A, EPP, ECP, bid upter barrel, 3 prong (56 watts) / Selectable box	d, ext exp) d EtherJet <sup>17</sup> Video lirectional)	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  ThinkPad 600 supported disks:  -3.2GB 13ms read/14ms write 9.5 mm PIO Mode 4 or Ultra DMA/33		
Video out MPEG decoder Data/fax modem	Video out (composite) / cat None (W98 support for MP <b>56K</b> / v.90 <sup>22</sup> / 14.4Kbps fax integrated Mwave® 3780i D	ble ships standard with RCA jack / Chrontel CHEG-2 because 300MHz with motion compens / telephony / voice-capable / SP / international programmable DAA / model dio / FM synthesis / 16-bit playback and record	17004 sation) m cable	-4.0GB       13ms read/14ms write         12.5 mm       PIO Mode 4 or Ultra DMA/33         -5.1GB       12ms read/13ms write         12.5 mm       PIO Mode 4 or Ultra DMA/33		
Jacks	CS4610: PCI / decodes AC Int stereo speakers (front) / Input jack (3.5 mm) / Output	3 into stereo / MPEG-2 audio decoding / accel .5 watt / Fn+PgUp and PgDn (volume) / int mi : jack (3.5 mm) / full duplex	of DirectX	- 6.4GB 13ms read/14ms write PIO Mode 4 or Ultra DMA/33		
Infrared ports Security	Power-on password / hard	A 1.1 compatible / up to 4Mbps disk password / supervisor password / security		FEATURES PC 97 compliant		
Limited warranty <sup>11</sup>	3 year - carry-in or ThinkPa	ead screw on base for memory / opt Allen screw ad EasyServ™31 Rapid Depot Repair (3 busine:		DMI 2.0 compliant DMI instrumentation (thermal monitoring) ACPI ready (APM enabled)		
Service options <sup>15</sup>		s day (72 cities) / serv up to 5 yrs from purcha		Wired for Management 1.1a Wake on LAN™ support <sup>28</sup>		
- V.90 PC Card Mo - 10/100 EtherJet C modem - IBM 10/100 Ether - UltraslimBay HDD - SuperDisk LS-120 - 2X DVD Drive (Ult - Zip 100MB Ultrasl - UltraslimBay Batte - ThinkPad 600 Li-Ic - External Battery C	dem/Cellular capab   dem / Cellular capab   dem with XJACK <sup>24</sup>   10L7:   CardBus with 56K   08L3   Jet CardBus PC Cd   08L3   daapter (for 2nd disk) 05K5   (UltraslimBay)   05K8   craslimBay)   05K8   craslimBay   05K8   craslimBay   02K6   cra	147 - SelectaDock I 336 - SelectaDock II 229 - SelectaDock III <sup>17</sup> 504 - 56 watt AC Adapter (barrel; 3 prong) 504 - 24X-10X CD-ROM (UltraslimBay; includes external diskette enclosure 464 - 32MB SO DIMM 3.3v NP SDRAM	02K0518 36L9293 12J2467 83H6741 05K4820 3547001 3547002 3547003 83H6739 12J2471 e) 76H0294 20L0241 01K1150	Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>TM35</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support		
www.ibini.com/pc/	us/thinkpad/proven)					

IBM® ThinkPad®									
L2 cache Diskette (removable) External FDD port	cessor Intel® Mobile Pentium® II 300PE or 366MHz¹ / 66MHz system bus cessor features ache 256KB / onboard (full speed) / sync pipelined burst / write-back / ECC sette (removable) 3.5" 1.44MB / use in UltraslimBay™ / ships in external diskette enclosure with a cable ternal FDD port External diskette port on right side (can use simultaneously with internal CD/DVD ROM (removble) Std or option: CD-ROM / 24X-10X⁵ speed / bootable / removable from UltraslimBay					WINDOWS 98 PRELOAD <sup>16</sup> Microsoft® Windows® 98     ThinkPad Utilities     Online User's Guide     ThinkPad Configuration Program     Ergonomics     IBM Registration			
Type - model Processor Preload (see side) CD or DVD-ROM Disk (removable)	2645-3AU PII 300PEMHz Windows 98 CD-ROM 4.0GB <sup>4</sup> /13/14ms PIO4 or Ultra DMA	12.5 mm / PIO N		2645-5AU PII 366MHz Windows 98 DVD-ROM	2645-AAU PII 366MHz Blank (no disk) Optional None N/A	RingCentral Puma IntelliSync 97 (infrared) IBM Global Network Dialer Netscape Communicator Lotus SmartSuite Millennium <sup>20</sup> Universal Management Agent ThinkPad on the Not			
Avail / withdraw date					Mar 99 / Feb 00	ThinkPad on the Net     ConfigSafe®			
Memory (std / max)	32MB / 288MB SDRAM / non-parit Two 144-pin socke for 64MB model, or	ts / 32MB on plar	/ sockets acces nar / 1 or 2 sock	sed by removin ets available /	32MB / 288MB g screw on base	Norton AntiVirus (OFM Version)			
Display	<b>13.3</b> " (337.8mm) <b>TI</b> 640x480, 800x600 150 nits (AC), 90 nit	or 1024x768 (up	to 16.7 million c		ontrast ratio/	<ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows 98)</li> <li>♦ Recovery CD-ROM (Windows 95)<sup>7</sup></li> </ul>			
Graphics - controller						WINDOWS NT PRELOAD <sup>16</sup>			
Graphics - features	2.5MB / SGRAM (e Motion compensa Multiple-monitor su	tion / color space	e conversion / in	terpolation in )	( and Y axis	- Microsoft Windows NT® 4.0 - Service Pack 4a			
Graphics - external	External SVGA to	1024x768x16.7 m	nillion colors at 8	35Hz and 1280:	x1024x256 colors				
Disk Disk controller	Left front / removabl Enhanced IDE / bus DMA Mode 2, Ultra	smaster / PCI 2.1	/ South Bridge /	PIIX4E		ThinkPad Configuration Program     Ergonomics     IBM Registration			
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num ke Flat keyboard (does <b>TrackPoint</b> ® / Pres center click button f	s not lift up) / optio s-to-Select / Rele	nal Port Replica ase-to-Select / c	tor adds slope dragging / click		Puma IntelliSync 97 (infrared)     IBM Global Network Dialer     Netscape Communicator     Lotus SmartSuite Millennium <sup>20</sup>			
Dimensions <sup>36</sup> Weight <sup>2</sup>	Approximately 11.8 4.99 lbs (2.26 kg) w			00mm x 240mn	n x 36.5mm	<ul><li> Universal Management Agent</li><li> ConfigSafe</li></ul>			
Battery - type Battery - life <sup>10</sup> Charge time - on / of	Lithium Ion / intellig 3.0 hrs / no non-disr f 2 to 3 hrs / 1.5 to 2.	uptive battery exc			UltraslimBay	Norton AntiVirus (OEM Version)     IBM Update Connector     Access ThinkPad     SystemSoft CardWizard			
Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	Intel 440BX AGPs TI® PCI1251 for Ca PCI 2.1 / 32-bit / 33 PC97338 Super I/C SelectaBase 600 / SelectaDock III' <sup>7</sup> / 2 Type II, 2 Type II, I One USB / one 9 pi APM-aware BIOS /	rdBus / AGP for g MHz (EIDE, Card D / ISA (audio, mo PC Card Enabler SelectaDock I an or 1 Type III / Card n serial; 16550A /	graphics / LM75 dBus, audio, US dem, diskette, s r <sup>17</sup> / PC Card En nd II dBus 32-bit / PC one (IEEE P128	digital thermor B, ext expansi- erial, parallel, in abler with Adva MCIA 2.1 / Zoo 34-A, EPP, ECI	meter on) frared, ext exp) inced EtherJet <sup>17</sup> omed Video P, bidirectional)	<ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> <li>The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping:</li> <li>• std diskette and travel cover</li> <li>• std or optional CD-ROM</li> <li>• std or optional DVD drive<sup>19</sup></li> </ul>			
Video (TV) out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	5AU: Video out (cor None (W98 suppor 56K <sup>22</sup> / V.90 / 14.4I integrated Mwave® CS4239: ISA / SRS CS4610: PCI / decc Int stereo speakers Input jack (3.5 mm) Infrared port (on rig	mposite) / cable sit for MPEG-2 be Kbps fax / telepho 3780i DSP / interros 3D audio / FM syodes AC3 into ster (front) / .5 watt / F / Output jack (3.5	hips standard with the cause 300MHz ony / voice-capa national program ynthesis / 16-bit reo / MPEG-2 aufn+PgUp and Pgmm) / full duplex	ith RCA jack / C with motion coulde / nmable DAA / r playback and redio decoding / a gDn (volume) / i	chrontel CH7004 compensation) nodem cable ecord accel of DirectX	optional UltraslimBay battery (cold swap only; 600E only)     optional LS-120 SuperDisk drive (cold swap only)     optional Zip 100MB drive (cold swap)     optional HDD adapter; for second disk (cold swap only)     optional ThinkPad Proven™ solutions¹²			
Security	Power-on password personalization / ph	d / hard disk pass	word / superviso	or password / se	ecurity keyhole /	PC 97 compliant DMI 2.0 compliant			
Limited warranty <sup>11</sup>	3 year - carry-in or	ThinkPad EasySe				DMI instrumentation (thermal monitoring) ACPI ready (APM enabled)			
Service options <sup>15</sup>	average turnaround) On-site <sup>32</sup> , M-F, 8-5,	next bus day (72				Wired for Management 1.1a   Wake on LAN® support²8			
- ThinkPad 600 Li-I - 10/100 EtherJet 0 modem - IBM 10/100 Ether		- 100 08L3167 - Sel d 08L3147 - PC		Jltra DMA/33	02K0518 36L9293 12J2467 05K4820 3547003	Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 manual Plug and Play 1.0a			
Color depth LCD	External Monit	tor - Ultr	aslim 56 watt A		ong) 02K6545	Standby, suspend, safe suspend, and			
Resolution TFT 640x480 16M 800x600 16M 1024x768 16M 1280x1024	60Hz 70Hz 75Hz 16M 16M 16M 16M 16M 16M 16M 256 64K	85Hz ir 16M 32M 16M - 64M 64K - 128 64K - Ultr	K-10X <sup>5</sup> CD-ROM ncludes externa MB SO DIMM 3.3 MB SO DIMM 3.3 BMB SO DIMM 3 raslimBay HDD 3	I diskette enclo 3v NP SDRAM 3v NP SDRAM 3.3v NP SDRAM adapter (for 2nd	76H0294 20L0241 01K1150 d disk) 05K5336	hibernation modes ENERGY STAR compliant Asset ID <sup>TM</sup> wireless RF technology (available only as an AAP option on the 600E model AAU; Atmel® AT24RF08 EEPROM))			
All models: - C: drive is FAT16 - D: drive is FAT32 of remaining space	(if W98) or FAT16 (if	- 2X <sup>5</sup> - 6X- - Zip	perDisk LS-120 ( DVD Drive (Ult 2X <sup>5</sup> DVD Drive 100MB Ultraslir aslimBay Batte	raslimBay) (UltraslimBay) nBay Drive(570	20L1929 05K8890 05K9169 0/600) 37L1507 02K6504	International Warranty Service <sup>14</sup> IBM SystemXtra®, 35 24 hour / 7 day³0 telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support			

IBM <sup>®</sup> ThinkPad <sup>®</sup>		
Processor Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD (removable)	Intel® Mobile Pentium® II 400MHz¹ / 66MHz system bus No upgrade / processor, L2 cache, and mem cntr (North Bridge) on Mobile Module 256KB / onboard (full speed) / sync pipelined burst / write-back / ECC 3.5" 1.44MB / use in UltraslimBay™ / ships in external diskette enclosure with a cable External diskette port on right side (can use simultaneously with internal CD/DVD) Std or option: CD-ROM / 24X-10X⁵ speed / bootable / removable from UltraslimBay Std or option: DVD-ROM / bootable / removable from UltraslimBay	<ul> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>
Type - model Processor Preload (see side) CD or DVD-ROM Disk (removable) Avail / withdrawn date	2645-4BU Pentium II 400MHz Pentium II 400MHz Windows 98 DVD PDV CD-ROM 10.0GB <sup>4</sup> / 12ms seek time / PIO4 or Ultra DMA/33 Panuary 2001 2645-8BU Pentium II 400MHz Windows NT CD-ROM Optional None	RingCentral Fax Puma IntelliSync 97 (infrared) IBM Global Network Dialer Netscape Communicator Lotus SmartSuite Millennium Universal Management Agent ThinkPad on the Net
Memory (std / max)	64MB / 288MB <sup>25</sup> 32MB / 288MB <sup>25</sup> SDRAM / non-parity / 66MHz / 3.3v / sockets accessed by removing screw on base Two 144-pin sockets / 32MB on planar / 1 or 2 sockets available / for 64MB model, one socket used by 32MB SO-DIMM	<ul> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiVirus™ (OEM Version)</li> <li>Mediamatics DVD Express</li> <li>IBM Update Connector</li> <li>Access ThinkPad</li> </ul>
Display	13.3" (337.8mm) TFT color / Active Matrix / XGA / 75ms / 100 to 1 contrast ratio/ 640x480, 800x600, or 1024x768 (up to 16.7 million colors) 150 nits (AC), 90 nits (battery) / 180 degree tilt	
Graphics - controller	NeoMagic™ MagicMedia256AV™ (NM2200) / Accelerated Graphics Port	WINDOWS NT PRELOAD16
Graphics - features	2.5MB /SGRAM (embedded) / 128-bit engine, 256-bit memory interface / AGP-1x Motion compensation / color space conversion / interpolation in X and Y axis Multiple-monitor support <sup>26</sup> for Windows 98 / simultaneous LCD and CRT <sup>26</sup> / DDC2B	- Microsoft Windows NT® 4.0 - Service Pack 4a
Graphics - external Disk	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors Left front / removable via coin screw or 2.5mm Allen wrench / SMART <sup>29</sup> / upgradeable	Online User's Guide
Disk controller	Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4E DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt HDD adapter	<ul> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>
Keyboard / Fn keys Keyboard slope Pointing device	Full-size 85-key keyboard / 10 Fn key functions / integrated palm rest Flat keyboard (does not lift up) / optional Port Replicator adds slope  TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare caps	Puma IntelliSync 97 (infrared) IBM Global Network Dialer Netscape Communicator Lotus SmartSuite Millennium <sup>20</sup>
Dimensions <sup>36</sup> Approximate weight <sup>2</sup>	Approximately 11.8 x 9.4 x 1.4" (155 cubic inches); 300mm x 240mm x 36.5mm 5.04 lbs (2.29 kg) w/ travel cover and battery only / IBM ThinkPad UltraCarbon™ case	Universal Management Agent     ConfigSafe
Battery - type Battery - life <sup>10</sup>	Lithium Ion / intelligent / remove from base / locked with latch 3.0 hrs / no non-disruptive battery exchange / supports 2nd battery in UltraslimBay 2 to 3 hrs / 1.5 to 2.5 hrs	Norton AntiVirus (OEM Version)     IBM Update Connector     Access ThinkPad
Architecture  Port replicator Docking Station PC Card Std slots	Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1251 for CardBus / AGP for graphics / LM75 digital thermometer PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, audio, USB, ext expansion) PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext exp) SelectaBase 600 / PC Card Enabler 17 / PC Card Enabler with Advanced EtherJet SelectaDock III / SelectaDock I and II 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video	SystemSoft CardWizard Software Selections CD-ROM Recovery CD-ROM (Windows NT)  The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping: std diskette and travel cover
USB / serial / parallel Other features	One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Ultraslim 56 watt AC Adapter barrel, 3 prong / selectable boot	std or optional CD-ROM     std or optional DVD drive
Video (TV) out MPEG decoder Data/fax modem Audio support	5BU/BAU: Video out (composite) / cable ships std with RCA jack / Chrontel CH7004 None (W98 support for MPEG-2 because 300MHz with motion compensation) 56K <sup>22</sup> V.90 / 14.4Kbps fax / telephony / voice-capable / integrated Mwave® 3780i DSP / international programmable DAA / modem cable CS4239: ISA / SRS 3D audio / FM synthesis / 16-bit playback and record	<ul> <li>swap only; 600E only)</li> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> </ul>
Jacks Infrared ports	CS4610: PCI / decodes AC3 into stereo / MPEG-2 audio decoding / accel of DirectX Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int microphone Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps	optional HDD adapter; for second disk (cold swap only)     optional ThinkPad Proven™ solutions¹²      □ Optional ThinkPad Proven™ solutions¹²
Security	Power-on password / hard disk password / supervisor password / security keyhole / personalization / phillips-head screw on base for memory / opt Allen screw for disk	PC 97 compliant DMI 2.0 compliant DMI instrumentation (thermal monitoring)
Limited warranty <sup>11</sup>	3 year - carry-in or ThinkPad EasyServ™31 Rapid Depot Repair (3 business day	ACPI ready (APM enabled) Wired for Management 1.1a
Service options <sup>15</sup>	average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date	Wake on LAN® support <sup>28</sup> Universal Management Agent™ support
- ThinkPad 600 Li-lo - 10/100 EtherJet C modem	on Battery 12J2464 - 6.4GB disk, 13ms, Ultra DMA/33 02K0518 - 10GB disk, 12ms, Ultra DMA/33 36L9293 08L3167 - SelectaBase 600 12J2467	Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog,
- IBM 10/100 EtherJ	et CardBus PC Card 08L3147 - PC Card Enabler with Adv EtherJet <sup>17</sup> 05K4820 - SelectaDock III <sup>17</sup> 3547003	Windows 98 or NT manual Plug and Play 1.0a
Color depth LCD	External Monitor  - Ultraslim 56 watt AC Adapter (3 prong) 02K6545 - 24X-10X⁵ CD-ROM (UltraslimBay; 12J2471	Standby, suspend, safe suspend, and hibernation modes
Resolution TFT	60Hz 70Hz 75Hz 85Hz includes external diskette enclosure)	ENERGY STAR compliant
640x480 16M 800x600 16M 1024x768 16M 1280x1024	16M        16M       16M       76H0294         16M        16M       16M       20L0241         16M       16M       16M       16M       20L0241         256          UltraslimBay HDD adapter (for 2nd disk) 05K5336         -       SuperDisk LS-120 (UltraslimBay)       20L1929	Asset ID™ wireless RF technology (available only as an AAP option on the 600E model BAU; Atmel® AT24RF08 EEPROM)) International Warranty Service¹⁴
All models: - C: drive is FAT16 c - D: drive is FAT32 (i	of 2GB   - 2X⁵ DVD Drive (UltraslimBay)	IBM SystemXtra®.35 24 hour / 7 day® telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support

IBM <sup>®</sup> ThinkPad <sup>®</sup>				
Processor Processor features		II 450 or 500MHz <sup>1</sup> / 100MH _2 cache, and mem cntr (No		WINDOWS 98 PRELOAD <sup>16</sup>   Jule   - Microsoft® Windows® 98 Second Ed
L2 cache	256KB / onboard (at prod 3.5" 1.44MB / use in Ultras External diskette port on I Std or option: CD-ROM / 2	cessor speed) / sync pipèlir llimBay™ / ships in external c inght side (can use simultan 4X-10X⁵ speed / bootable / r bootable / removable from U	ned burst / write-back / EC0 diskette enclosure with a ca eously with internal CD/DN emovable from UltraslimBay	ble Online User's Guide ThinkPad Configuration Program
Type - model Preload (see side) Processor CD or DVD-ROM Disk (removable)	2645-3EU 2645-7EU Win 98 NT 4.0 Pentium III 450MHz CD-ROM 6.0GB <sup>4</sup> / 12ms seek read PIO4 or Ultra DMA/33	2645-4EU Win 98 Win 2000 Pentium III 500MHz CD-ROM 12.0GB / 12ms seek read PIO4 or Ultra DMA/33 Dec 1999 / Jan 2001	2645-5EU 2645-9EU Win 98 NT 4.0 Pentium III 500MHz 6X-2.3X <sup>5</sup> DVD / RPC II 12.0GB / 12Tens beek (rea PIO4 or Ultra DMA/33 Dec 1999 / Jan 2001	RingCentral Fax     IBM Global Network Dialer     Netscape Communicator     Lotus® SmartSuite® Millennium <sup>20</sup> Universal Manageability Services     ThinkPad on the Net     ConfigSafe®
Memory (std / max)	<b>64MB</b> / 576MB <b>SDRAM</b> / non-parity / <b>100</b>	MHz / 3.3v / sockets accessis / 64MB on planar / 2 socl	ed by removing screw on	<ul> <li>Norton AntiVirus™ (OEM Version)</li> <li>Mediamatics DVD Express (5/9EU)</li> <li>IBM Update Connector</li> <li>Access ThinkPad</li> </ul>
Display	13.3" (337.8mm) TFT cold	or / Active Matrix / XGA / 75r 24x768 (up to 16.7 million c	ns / 100 to 1 contrast ratio	A 0 - (1 0 - 1 1 0 D D D D D D
Graphics - controller Graphics - features Graphics - external	4MB / SGRAM (embedder Motion compensation / simultaneous LCD and CR	n256ZX™ (NM2360) / Acceldd) / 128-bit engine, 256-bit n multiple-monitor support² fo nt² / DDC2B 68x16.7 million colors at 85H	nemory interface / AGP 2X r Windows 98 /	- Microsoft Windows NT® 4.0 - Service Pack 5
Disk Disk controller	Enhanced IDE / busmaste	screw or 2.5mm Allen wrencer / PCI 2.1 / South Bridge / 33, or PIO Mode 4 / supports	. 0	<ul><li>Online User's Guide</li><li>ThinkPad Configuration Program</li><li>IBM Registration</li></ul>
Keyboard / Fn keys Keyboard slope Pointing device	Flat keyboard (does not lift TrackPoint® / Press-to-Se	/ 10 Fn key functions / integ t up) / optional Port Replicat elect / Release-to-Select / dr olling or magnifying glass / s	for adds slope agging / click pace /	PC-Doctor     RingCentral Fax     IBM Global Network Dialer     Netscape Communicator     Lotus SmartSuite Millennium <sup>20</sup>
Dimensions <sup>36</sup> Approximate weight <sup>2</sup>		x 1.4" (155 cubic inches); 30 cover and battery only / IBM		<ul> <li>Universal Manageability Services</li> </ul>
Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup> - on / off	Lithium Ion / intelligent / re 3.0 hrs / no non-disruptive 2 to 3 hrs / 1.5 to 2.5 hrs	emove from base / locked wi battery exchange / supports	th latch 2nd battery in UltraslimBa	IBM Update Connector
Port replicator Docking Station PC Card Std slots USB / serial / parallel Other features	TI® PCI1450 for CardBus PCI 2.1 / 32-bit / 33MHz ( PC97338 Super I/O / ISA SelectaBase 600 / PC Ca SelectaDock III¹7 / Select 2 Type I, 2 Type II, or 1 Ty One USB / one 9 pin seria	EIDE, CardBus, audio, USE (diskette, serial, parallel, in ard Enabler <sup>17</sup> / PC Card Ena	B, ext expansion) / frared, ext exp) bler with Advanced EtherJ MCIA 2.1 / Zoomed Video 4-A, EPP, ECP, bidirection	warm swapping:  • std diskette and travel cover • std or optional CD-ROM
Video (TV) out MPEG decoder Data/fax modem Audio support	5EU/9EU: Video out (comp. None (W98 support for M 56K <sup>37</sup> V.90 / 14.4Kbps fax Lucent <sup>®</sup> 1646 / internation 16-bit playback and recor CS4624 / CS4297A AC97 Int stereo speakers (front)	posite) / cable ships std with PEG-2 because 300MHz w / telephony / voice-capable al programmable DAA / mod d / full duplex / SoundBlaste	RCA jack / Chrontel CH700 ith motion compensation) / Mini-PCI Type IIIb / odem cable er Pro™ support / PCI / Dn (volume) / int micropho	• Std or optional DVD dive     • optional UltraslimBay battery (cold swap only; 600E and 600X only)     • optional LS-120 SuperDisk drive (cold swap only)     • optional Zip 100MB drive (cold swap)     • optional HDD adapter; for second disk (cold swap only)
Infrared ports Security	Infrared port (on right) / Ir[	DA 1.1 compatible / up to 4Nd disk password / supervisor	/lbps	• optional ThinkPad Proven™ solutions¹² le / PC 99-compliant
Limited warranty <sup>11</sup>	personalization / phillips-h	ead screw on base for mem Pad EasySery™³¹ Rapid Dep	ory / opt Allen scréw fór d	
Service options <sup>15</sup>	average turnaround)	us day (72 cities) / serv up t		Wake on LAN® support <sup>28</sup>
- IBM Portable Drive - 10/100 EtherJet Ca modem - IBM 10/100 EtherJe	ardBus with 56K <sup>22</sup>	511 - 6.0GB disk, 12ms, AT -12.0GB disk, 12ms, A 167 - 18.0GB disk, 12ms, A 147 - SelectaBase 600 - PC Card Enabler with	TA-66 05K92 TA-66 37L29 12J24	via the IBM Universal Manageability Services Setup Guide, User's Reference, Quick Reference and Service Information
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M	External Monitor           60Hz         70Hz         75Hz         85Hz           16M          16M         16M           16M          16M         16M           16M         16M         16M         16M	- SelectaDock III <sup>17</sup> - Ultraslim 56 watt AC A - 24X-10X <sup>5</sup> CD-ROM (L 32MB SO DIMM 100M - 64MB SO DIMM 100M	35470 Adapter (3 prong) 02K68 JitraslimBay) 12J24 MHz NP SDRAM 20L02 MHz NP SDRAM 20L02	Windows 98 or NT manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant
All models: - C: drive is FAT16 of	f 2GB f W98) or FAT16 (if NT)	- 128MB SO DIMM 100 - 256MB SO DIMM 100 - UltraslimBay HDD ada - SuperDisk LS-120 (UI - 6X-2X* DVD Drive (UIt - Zip 100MB UltraslimBa - UltraslimBay Battery ( - ThinkPad 600 Li-lon E	MHz NP SDRAM 33L30 aptr (for 2nd disk) 05K5; traslimBay) 20L19 raslimBay) 05K9; ay Drive (570/600) 37L15 600E/X only) 02K69	(available as special bid option; Atmel® AT24RF08 EEPROM)) International Warranty Service <sup>14</sup> 169 IBM SystemXtra®.35 24 hour / 7 day30 telephone, bulletin board, fax, electronic, and Internet

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor Processor features L2 cache	Intel® Mobile Pentium® III 5 650MHz <sup>1,41</sup> with SpeedSte No upgrade / processor, L2 256KB / onboard (at proce 3.5" 1.44MB / use in Ultraslir	p™ technology and 100Ḿl 2 cache, and mem cntr (No ssor speed) / sync pipelind mBay™ / ships in external d	Hz system bus orth Bridge) on Mobi ed burst / write-bac iskette enclosure wi	ile Module k / ECC ith a cable	• WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98 Second Ed  • ThinkPad Utilities  • Online User's Guide  • ThinkPad Configuration Program
External FDD port CD-ROM (removble) DVD (removable)	External diskette port on rig Std or option: CD-ROM / 243 Std or option: DVD-ROM / b	X-10X <sup>5</sup> speed / bootable / re	emovable from Ultras		<ul><li>PC-Doctor</li><li>IBM Registration</li><li>RingCentral Fax</li></ul>
Type - model Preload (see side) Processor CD or DVD-ROM Disk (removable) Avail / withdrawn date	2645-8PU Windows 2000 Pro Pentium III 500MHz CD-ROM 12.0GB <sup>4</sup> / 12ms seek read / February 2000 / February 20		2645-9FU Windows 2000 P Pentium III 650M CD-ROM O Mode 4 / S.M.A.F	Hz	<ul> <li>Netscape Communicator</li> <li>Lotus® SmartSuite® Millennium</li> <li>ThinkPad on the Net</li> <li>ConfigSafe®</li> <li>Norton AntiVirus™ (OEM Version)</li> <li>Mediamatics DVD Express (5/9FU)</li> </ul>
Memory (std / max)	64MB / 576MB SDRAM / non-parity / 100MI base / two 144-pin sockets	Hz / 3.3v / sockets accesse	ed by removing screets available	ew on	<ul> <li>IBM Update Connector</li> <li>Access ThinkPad</li> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows 98 SE</li> </ul>
Display	13.3" (337.8mm) TFT color 640x480, 800x600, or 1024 150 nits (AC), 90 nits (batter	1x768 (up to 16.7 million co		st ratio /	<ul> <li>Recovery CD-ROM (Windows 95)<sup>40</sup></li> <li>WINDOWS 2000 PRELOAD<sup>16</sup></li> <li>Windows 2000® Professional</li> </ul>
Graphics - controller Graphics - features Graphics - external	NeoMagic™ MagicGraph2 4MB / SGRAM (embedded) Motion compensation / mi simultaneous LCD and CRT External SVGA to 1024x768	/ 128-bit engine, 256-bit m ultiple-monitor support <sup>26</sup> for <sup>26</sup> / DDC2B	nemory interface Windows 98 SE or	nly /	ThinkPad Utilities Online User's Guide ThinkPad Configuration Program IBM Registration PC-Doctor
Disk Disk controller	Left front / remove via coin s Enhanced IDE / busmaster / DMA Mode 2, Ultra DMA/33	PCI 2.1 / South Bridge /	10	adeable	<ul><li>RingCentral Fax</li><li>Netscape Communicator</li><li>Lotus SmartSuite Millennium</li></ul>
Keyboard / Fn keys Keyboard slope Pointing device	Full-size 85-key keyboard / Flat keyboard (does not lift to <b>TrackPoint</b> ® / Press-to-Selecenter click button for scrolling	up) / optional Port Replicato ect / Release-to-Select / dra	or adds slope agging / click pace /		<ul> <li>ConfigSafe</li> <li>IBM Update Connector</li> <li>SystemSoft CardWizard</li> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows 2000)</li> </ul>
Dimensions <sup>36</sup> Approximate weight <sup>2</sup>	Approximately 11.8 x 9.4 x 4.99 lbs (2.25 kg) w/ travel c				♦ Recovery CD-ROM (Windows NT) <sup>40</sup>
Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup> - on / off	Lithium Ion / intelligent / rem 3.0 hrs / no non-disruptive b 2 to 3 hrs / 1.5 to 2.5 hrs			slimBay	The right bay (UltraslimBay) has LED or release latch to provide status; supports warm swapping:
	Intel 440BX AGPset / Intel TI® PCI1450 for CardBus / PCI 2.1 / 32-bit / 33MHz (E PC97338 Super I/O / ISA (c SelectaBase 600 / PC Car SelectaDock III <sup>17</sup> / Selectal 2 Type I, 2 Type II, or 1 Typ One USB / one 9 pin serial;	AGP 2X for graphics / IDE, CardBus, audio, USB diskette, serial, parallel, inf d Enabler <sup>17</sup> / PC Card Enablock I and II e III / CardBus 32-bit / PCN 16550A / one (IEEE P1284	w, ext expansion) / rared, ext exp) oler with Advanced MCIA 2.1 / Zoomed 4-A, EPP, ECP, bidi	Video irectional)	<ul> <li>std diskette and travel cover</li> <li>std or optional CD-ROM</li> <li>std or optional DVD drive</li> <li>optional UltraslimBay battery (cold swap only; 600E and 600X only)</li> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second</li> </ul>
Other features Video (TV) out MPEG decoder Data/fax modem	APM-aware BIOS / Ultraslim 5FU/9FU: Video out (composition MP) None (W98 support for MP) 56K <sup>37</sup> V.90 / 14.4Kbps fax /	site) / cable ships std with F EG-2 because 300MHz wi telephony / voice-capable /	RCA jack / Chrontel th motion compens / Mini-PCI Type IIIb	CH7004 sation)	disk (cold swap only)  • optional ThinkPad Proven™ solutions¹²
Audio support	Lucent® 1646 / international 16-bit playback and record CS4624 / CS4297A AC97 of Int stereo speakers (front) /	/ full duplex / SoundBlaste codec .5 watt / Fn+PgUp and Pg[	er Pro™ support / P On (volume) / int mi		PC 99-compliant CIM and DMI 2.0 compliant Wired for Management 1.1a Wake on LAN® support <sup>28</sup>
Jacks Infrared ports	Input jack (3.5 mm) / output j Infrared port (on right) / IrDA	ack (3.5 mm) $/$ line in $/$ full c	duplex	·	APM enabled (ACPI ready) Local and remote asset management
Security	Power-on password / hard opersonalization / phillips-hea				via the IBM Universal Manageability Services
Limited warranty <sup>11</sup>	3 year - carry-in or ThinkPa average turnaround)	d EasyServ™³¹ Rapid Depo	ot Repair (3 busines	ss day	Remote setup and low-level maintenance via IBM LANClient
Service options <sup>15</sup>	On-site <sup>32</sup> , M-F, 8-5, next bus	, , ,	<u> </u>		Control Manager™ Setup Guide, User's Reference, Quick
- IBM Portable Drive - 10/100 EtherJet Ca modem - IBM 10/100 EtherJe	ardBus with 56K22	111 - 6.0GB disk, 12ms, ATA - 12.0GB disk, 12ms, AT 67 - 18.0GB disk, 12ms, AT 47 - SelectaBase 600 PC Card Enabler with A	ΓA-66 ΓA-66	05K9199 05K9200 37L2993 12J2467 05K4820	Reference and Service Information Card, Options by IBM Catalog, Windows 98 or 2000 manual Plug and Play 1.0a Standby, suspend, safe suspend, and
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024            Windows 98 model:         -C: drive is FAT16 or           -D: drive is FAT32 or		- SelectaDock III <sup>17</sup> - Ultraslim 56 watt AC A-24X-10X <sup>5</sup> CD-ROM (UI-64MB SO DIMM 100M-128MB SO DIMM 100M-256MB SO DIMM 100M-UltraslimBay HDD ada-SuperDisk LS-120 (Ult-6X-2X <sup>5</sup> DVD Drive (Ultr-Zip 100MB UltraslimBa-UltraslimBay Battery (6	dapter (3 prong) ItraslimBay) Hz NP SDRAM MHz NP SDRAM MHz NP SDRAM ptr (for 2nd disk) raslimBay) aslimBay); RPC II y Drive (570/600)	3547003 02K6545 12J2471 20L0254 20L0255 33L3069 05K5336	hibernation modes ENERGY STAR compliant Asset ID™ wireless RF technology (available as special bid option; Atmel® AT24RF08 EEPROM)) International Warranty Service¹⁴ IBM SystemXtra®.35 24 hour / 7 day³⁰ telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support
Windows 2000 mode - C: drive is FAT32 or		- ThinkPad 600 Li-Ion Ba - IBM 340MB microdrive		12J2464 00N8073	

IBM® ThinkPad®:		≫ 701C		ThinkPa	ad 701CS / 701C strengths:
	dual scan color	TFT color		⊳ Full si	ized, folding TrackWrite keyboard
Processor 3.3 volt Processor speed	80486DX2   IntelDX4 50/25 MHz   75/25 MHz	80486DX2 Inte 50/25 MHz 75/2	eIDX4 25	⇒ Full si	ized 10.4" color dual scan or TFT display of the color dual scan or TFT display or TFT display of the color dual scan or TFT display or TFT display or TFT display or TFT display or TFT display or TFT display or TFT display
Coprocessor socket Memory cache Diskette Removable CD-ROM	N/A (math coprocessor std in DX2/DX4 8 KB in DX2; 16 KB in DX4 / no L2 cach External 3.5" 1.44 MB / hot-pluggable Not supported	<sub>le</sub> Connector to attach ei	ither or (with	<ul><li>Audio</li><li>Infrare</li></ul>	o, 14.4/14.4 data/fax modem, telephony ed communication Point III and removeable disk
Price (retail USD) Type - model all 2630 Removable disk - size Hard disk - spd ms Available date	\$2,499   2,749   1,499*, 1,649*, 1,799 US2   US5   2SU   5SU   7SU 360 MB   540   360   540   720 13	UT2 UT5 2TU 360 540 360 13  13  13  13  13	540 13 <b>□</b>	7TU <b>720</b> 13 <b>□</b>	Integrated chipsets provide:  ① Data modem function  - V.22bis (2400 bps)  - V.32 (9600 bps)  - V.32bis (14.4 Kbps)
Display - type Display - colors Display - techology Display - diagonal size	VGA color / 640 x 480 65,536 simultaneous colors Dual scan 10.4 inch / 20 to 1 contrast ratio	VGA color / 640 x 48 65,536 simultaneous TFT - active matrix 10.4 inch / 100 to 1 c	scolors	io	Fax modem function     Class 1 fax send/receive (14.4 Kbps)     Audio function     16 bit audio / 44.1 kHz sampling rate     Stereo waveform record and playback
Graphics - controller Graphics - vendor Graph - arch/data path	CT-65545 with 1 MB DRAM Chips & Technologies / External SV VL-Bus 2.0 local bus / 32 bit / Simult				<ul> <li>18 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support</li> <li>Text to speech (via Monologue)</li> </ul>
Memory - std / max Memory - type Mem - sockets empty Mem-options available	4 / 36 MB	The two w TrackWrite into position	e™ keyboa on automa	rd slide itically	Telephone function     Full telephone (can use opt headset)     Telephone answering machine     Full duplex speakerphone
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 key (15 Fn k Yes (use MultiPort II stand that flips of TrackPoint III™ on TrackWrite keyk Yes (no cable required)	out) or closed poard Fn key fund	ctions:	•	PREINSTALLED APPLICATIONS - IBM DOS 6.3 - Windows 3.11 * DX4 systems include OS/2 Warp 3.0
Dimensions Color Weight (with battery)	9.7 x 7.9 x 1.7" (130 cubic inches) Black With keyboard ope 4.5 pounds expands from 9.7"	- Battery S n it - Standby/ to 11.5" - Hibernati	/Suspend ion		(dual boot) with selected BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo - Online Users Guide
Battery - type Battery - life Charge time - on / off	Super NiCad or NiMH (DX4 mdls bui 2.5 to 7 hours <b>or optional Nil</b> 1.5 hrs / battery will not charge if unit	<b>//H</b> - Hard disk is off - LCD or C		1	Think Pad Features     Diskette Factory     Lotus® cc:Mail™, e-mail for the Global®
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock II (requires optional Dock II Adi None (use standard MultiPort II) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / ECP/EPP parall APM-aware BIOS / Wallmount AC ada	- Increase, - Brighten/ - Speaker el 36 pin (IEEE 1284); no	:/decrease@ /dim LCD ·volume up/ on-DMA	contrast down	network 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0 4. Triton CoSession™ Host 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0
Functions Data/fax modem Audio support Audio in/out jacks	Data modem, fax modem, audio, to 14.4/14.4 data/fax modem function 16 bit audio chip on planar (ESS68 Internal speaker (with Fin key volument)	(with RJ11 jack) 8 and Yamaha OPL3) / ne control) and interna			<ul> <li>8. Video For Windows™ 1.1 Runtime</li> <li>9. Monologue (text to speech)</li> <li>10. Puma TranXit™ (infrared function)</li> <li>11. Taxi™</li> <li>12. AlphaNet™ FollowFax™</li> </ul>
Telephone Infrared ports	Input jack / microphone jack / output Telephone / answering machine / full Infrared port (on back) / IRDA 1.0 o	duplex speakerphone compatible / up to 115.2	<u> </u>		13. SEDONA™ REPRINT™ 14. COMPEL™ Personal Edition 15. Audiofile® TalkWorks™
Security	Power-on password / locking device connector (Kensington™ lock)	keyhole also called Micr	roSaver™ s	ecurity	16. Reuters <sup>sm</sup> Money <sup>®</sup> Network
Preinstalled software	IBM DOS 6.3, Windows™ 3.11, (and and all appls listed to right:	•	dels),		
Warranty	3 year - EasyServ only (optional ons	te special bid only)			

Configuration Utility is entered by Fn+F1 at any

MultiPort II (ships standard) is 1.7 x .9 x 10" and has ports for:

- Mouse/Numpad connector (6 pin)
  External keyboard connector (6 pin)
- EPP parallel port (25 pin) Serial connector (RS-232D 9 pin)
- Audio line in (3.5 mm)
- Audio line out (3.5 mm)
- External display connector (15 pin)
- DC input connector

ECP/EPP port (36 lines) connects either the external floppy or a printer. The standard External Diskette Drive Cable (13.2") has a 36-pin and a 26-pin connector. The Standard Printer Cable Adapter (7.1") has a 36-pin connector and a 25-pin connector (so a conventional printer cable is needed)

Compatible in all 701 models:

Disks: 540 MB disk 13 ms 04H6894 720 MB disk 13 ms 10H4096 Dock II (2 slot / 2 bay) 84G3587 Dock II Adapter Kit 4 MB SO-DIMM 3.3v 04H6196 92G7259 8 MB SO-DIMM 3.3v 92G7261 16 MB SO-DIMM 3.3v 92G7263 32 MB SO-DIMM 3.3v 92G7281 Universal AC Adapter 30 watts 04H8367 AC Adapter 30 w, wall, 2 pin AC Adapter 35 w, ww, 3 pin 10H4020 85G6680 Super NiCad Battery 10H4019 NiMH Battery 25H4862 MultiPort II 10H4021 External diskette with cable 10H4068 EPP Printer Cable & 10H4069 Cable Pack

ThinkPad 360, 750, 755 family disks, batteries memory, and Dock I are NOT compatible in the ThinkPad 701 family

FEATURES OF 701CS/701C MODELS

Battery life indicator Non-disruptive battery exchange Standby, suspend, hibernation, and RediSafe modes US EPA Energy Star compliant Personalized nameplate in molded indention

## **HELPWARE**

3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM or dealer warranty/service Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight,

3 business days average turnaround). Overnight repair option in US available for \$99. 

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (701) Compiled by Roger Dodson, IBM. June 1996

# IIM ThinkPad 710T, 720, 720C - withdrawn

IBM® ThinkPad®:	→ 710T pen tablet		≈ <b>720C</b> color TFT
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	80486 SLC 25 MHz 16 KB internal No Optional 3.5" 1.44 MB	80486 SLC2 50/25 MHz 16 KB internal Yes (for 387 SL) 3.5" 1.44 MB	80486 SLC2 50/25 MHz 16 KB internal Yes (for 387 SL) 3.5" 1.44 MB
Price (retail USD) Type - model Hard drive - size Hard drive - speed Available date Withdrawal date	\$ 1,859 2523-09Y Option (TPF) 5, 10, 15 MB March 93 Sept 94 \$ 2,849 2523-303 <b>60 MB</b> 18.5 ms March 93 March 93 Sept 94 \$ 2,849 2523-303 March 93 March 93 March 94	\$ 2,495 \$\ 9552-307   9552-308   120 MB   17 ms	\$ 4,695 9552-30J <b>160 MB</b> 15 ms O May 93 March 94
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	VGA mono 16 grey scales STN Transflective LCD - Backlit 9.5 inch 3 to 1 N/A Transflective: can turn on backlit in dark areas or turn it off in bright areas	VGA mono 64 grey scales STN LCD - backlit 9.5 inch 18 to 1 Yes	VGA color 256 colors 640x480 Thin film transistor Active matrix 10.4 inch 100 to 1 Yes
Memory - std / max Mem - sockets empty SIMM/ICs available	4 / 12 MB 80 ns 1 socket (parity) 2, 4, 8 MB SIMMs	4 / 16 MB 80 ns 2 sockets (parity) 2, 4, 8 MB ICs	4 / 16 MB 80 ns 2 sockets (parity) 2, 4, 8 MB ICs
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	External (any PS/2 keyboard N/A (no keyboard) N/A is supported) Electromagnetic pen Yes	Full size alp/num/ 84 None 8 degrees (legs) TrackPoint II <sup>™</sup> Yes (with opt cable)	Full size alp/num/ 84 None 8 degrees (legs) TrackPoint II Yes (with opt cable)
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.6 x 9.6 x 1.4" 156 inches Blk nylon standard Black 5.2 pounds (09Y); 5.5 pounds (302,3)	11.7 x 8.3 x 1.9" 185 inches Many options available Black 6.5 pounds	11.7 x 8.3 x 2.2" 214 inches Many options available Black 7.6 pounds
Battery - type Batt - life (per battery) Charge time - on / off Battery - options	Nickel cadmium 3.3 to 4.1 hrs (09Y); 3.1 to 3.8 (302,3) N/A / 3 hrs (unit off or suspend only) Nickel cadmium half size battery	Nickel hydride 4 to 8 hours 3 hrs / 2 hrs Yes - status indicator	Nickel hydride 2.4 to 4.8 hours 1.5 hrs / 1.4 hrs Yes - status indicator
Architecture External AT/MCA port Comm Crtrdge (1 card) Docking Station Port replicator Modem/serial slot PCMCIA slots Visible LEDs - closed Serial / parallel ports	Local / AT I/O, DMA Yes No No 1 Type III PC Card can occupy 2 Type II slots on Model 09Y 3 Type II (09Y); 1 Type II (302, 303) N/A Yes / Yes	Micro Channel® Yes Yes (black) Yes (3550-002) black Yes black No 2 Type I or 2 Type II Yes or 1 Type III Yes / Yes (DMA)	Micro Channel Yes Yes (black) Yes (3550-002) black Yes black No 2 Type I or 2 Type II Yes or 1 Type III Yes / Yes (DMA)
APM-aware BIOS Other features Preinstalled software Warranty	No 09Y: PenDOS, PenPoint on optional solid state files (10, 15 MB). 302: PenDOS 2.0; 303: PenPoint 1 year - EasyServ only	APM-aware BIOS Hrdw security loop IBM DOS 5.02, PRODIGY® 3 year - carry in or EasyServ (opt onsite)	APM-aware BIOS Hrdw security loop IBM DOS 5.02, PRODIGY 3 year - carry in or EasyServ (opt onsite)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with ThinkPad 360, 750, 755. The 700/720 memory IS compatible with ThinkPad 360, 750, 755.

FEATURES OF 700/700C and 720/720C  3 year warranty		FEATURES OF ALL PRODUCTS Suspend/resume mode; battery life indicator
700/720 mono upgradeable to TFT color		Non-disruptive battery exchange
700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, 340 MB		Simultaneous LCD and external CRT US EPA Energy Star compliant
Removable hard disk		International travelers warranty
Pressure activated TrackPoint II Optional battery w/ power status indicators		IBM or dealer warranty/service 30 day money back guarantee
Quick Charger holds 2 batt; discharge button		24 hour / 7 day fax support
Coupon book with \$4,000 in savings		24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at
♣₄ Price decrease effective October 28, 1993	→ Withdrawn from marketing	1-800-772-2227

# **運風 ThinkPad 730T - withdrawn**

IBM® ThinkPad®:	<b>≈ 730T</b>			
December	pen tablet			
Processor type Processor speed	80486SX (3.3 volt SL Enh 33 MHz	anced)		
Memory cache	8 KB internal (no L2 cache	e)		
Coprocessor socket	No `	,		
Diskette drive	Optional 3.5" 1.44 MB (sar	ne as ThinkPad 710T and 730T	E)	
Price (retail USD)	\$2,569	\$2,879	\$3,119	\$3,429
Type - model Hard drive - size	2524-801 Option (required	2524-901 Option (required	2524-80F 105 MB PCMCIA	2524-90F 105 MB PCMCIA
Hard drive - speed	via PCMCIA disk)	via PCMCIA disk)	15 ms	15 ms
Preinstalled software	N/A	N/A	IBM DOS 6.3	IBM DOS 6.3
			Windows for Pen Computing	Windows for Pen Computing
Avail / withdrawn date	May 1994 / June 1996	May 1994 / June 1996	May 1994 / June 1996	May 1994 / June 1996
Memory - std / max	4 / 20 MB	8 / 24 MB	4/20 MB	8 / 24 MB
Mem - sockets empty Memory - type	70 ns / non-parity / 5.0 vol	CINICIA SIOT; this will then permit	a Type I or II PCMCIA card in re	est of slot
Memory - options	4, 8, 16 MB ICs	ı		
Display - type	VGA 640 x 480 monochro	me (External display is 640 x	480 with 16 colors)	
Display - grey scales	16 grey scales	(Simultaneous LCD and	CRT display)	
Display - techology	STN Transflective	Transflective: can turn	on backlight in	
Display - light source Display - size (diag)	LCD - Backlit 9.5 inch	dark areas or turn it off		
Display - size (diag) Display - contrast ratio	3 to 1			
Keyboard	External (anv IBM kevboa	ard is supported; attach to port re	eplicator)	
Mouse/pointing	Electromagnétic pen/digiti	zer/stylus that realistically simul	ates the feel of pen-to-paper / un	tethered / batteryless
	\ 11	) / stylus is stored in a compartm	ent on bottom	
Dimensions	10.6 x 8.3 x 1.4"			
Cubic inches Carrying case	123 inches Blk nylon standard (many	ontions also available)		
Color	Black	options also available)		
Weight (with battery)	3.5 pounds (1 battery); 3.9	pounds (2 batteries)		
Battery - type	Nickel hydride (NiMH)		A false battery pack ships	
Battery - quantity Batt - life (per battery)	Two batteries ship standar 1 battery: 2 to 5 hours	rd / can use one or two batteries		
batt - life (per battery)	2 battery: 4 to 10 hours		use one battery	
Charge time - on / off	N/A / 1.5 hours (unit off or	suspend only)		
Architecture	Local memory bus / ISA			
Docking Station	No	1		
Port replicator	Yes (ships standard / attac		oin 16550A serial port, 3 25 pin E	DD parallol port
	diskette drive connector	r, ⑤ keyboard port, ⑥ DC port fo	r AC connector	FF parallel port,
Modem/serial slot	No (use PCMCIA)			
PCMCIA 2.01 slots	3 Type II or 2 Type III as f			a ddia a IC DDAM
		r 1 Type III (but any additional m ill leave 1 Type II slot remaining	nemory must go into this slot; so	adding IC DRAM
			, sk in Models 80F/90F is installed	d here)
Serial / parallel ports	Yes (on Port Replicator) /			<i>'</i>
Warranty	3 year - ThinkPad EasySe	erv™		

The ThinkPad 730T requires a bootable operating system with Pen capability. Supported is:

- PenDOS® 2.2 with IBM DOS 6.3
84G9180 - PCMCIA HDD 105 MB PenDOS preloaded
- Pen for OS/2 1.0 with OS/2® 2.11
84G9190 - PCMCIA HDD 105 MB Pen for OS/2 preloaded
- Windows for Pen Computing® 3.1 with IBM DOS 6.3
Models 80F/90F are preloaded with Windows for Pen Computing
- PenRight!® (available at dealers)

PCMCIA SLOT CONFIGURATION
Two Type III (10 mm high):

IC DRAM only
PCMCIA Type III
260 MB disk in this slot (Model B0F)

4 MB IC DRAM 70 ns 5v non-parity 8 MB IC DRAM 70 ns 5v non-parity 16 MB IC DRAM 70 ns 5v non-parity 66G9540 92G7236 **FEATURES OF THINKPAD 730T Quick Charger** 92G7237 92G7424 66G9545 Car Battery Adapter Suspend/resume mode NiMH Battery (dual) 66G9550 Battery life indicator AC Adapter 20 watts 84G0480 PortReplicator 84G0485 Non-disruptive battery exchange External 3.5" 1.44 MB 48G8263 US EPA Energy Star compliant 3 year warranty
International Warranty Service
24 hour / 7 day telephone, bulletin
board, fax, and electronic diskette drive 105 MB HDD (PenDOS) 105 MB HDD (PenOS2) 84G9180 84G9190 Hand Strap 84G0495 Soft Case 84G0490 support **Battery Case** 84G0500 IBM warranty/service 30 day money back guarantee

# IBM ThinkPad 730TE - withdrawn

IBM® ThinkPad®:			The 730TE is the same as the 730T (older models) except:
Processor Memory cache Coprocessor socket Diskette drive	IntelDX4™ 75/25 MH 16 KB in DX4 (no L2 N/A; standard in Intell Optional 3.5" 1.44 ME	cache)	730T 730TE  ⇒ 486SX - 33 MHz ⇒ 105 MB disk preloads ⇒ 260 MB disk preloads ⇒ Improved storage
Price (retail USD) Type - model Part number Hard drive - size Hard drive - speed Preinstalled software  Avail / withdrawn date	\$2,849 2524-B01 39H5976 Option (required via PCMCIA disk) N/A	\$3,499 2524-B0F 39H5975 <b>260 MB PCMCIA</b> 12 ms / 4500 rpm / 16 MB/sec burst trans IBM DOS 7.0 Windows for Pen Computing October 1995 / July 1997	door for pen
Memory - std / max Mem - sockets empty Memory - type Memory - options	Oct 1995 / July 1997  8 / 24 MB  Uses a specific Type 70 ns / non-parity / 5. 4, 8, 16 MB ICs	III PCMCIA slot; this will then permit a Typ	be I or II PCMCIA card in rest of slot
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Graphics controller	VGA 640 x 480 mono 16 grey scales STN Transflective LCD - Backlit 9.5 inch / 3 to 1 contra Western Digital WD9	(Simultaneous LCD and CRT of Transflective: can turn on back areas or turn it off in bridge.)	display) acklight in ght areas
Keyboard Mouse/pointing	Electromagnetic pen/	yboard is supported; attach to port replica digitizer/stylus that realistically simulates t orted) / stylus is stored in a compartment o	he feel of pen-to-paper / untethered / batteryless
Dimensions Cubic inches Carrying case Color Weight (with battery)	Black `	nany options also available) ); 3.9 pounds (2 batteries)	
Battery - type Battery - quantity Batt - life (per battery) Charge time - on / off	Nickel hydride (NiMH Two batteries ship sta 1 battery: 1.65 to 5 h 2 battery: 3.3 to 10 h N/A / 1.5 hours (unit of	andard / can use one or two batteries ours	A false battery pack ships standard if only want to use one battery
Architecture Docking Station Port replicator	Local memory bus / IS No Yes (ships standard / Port Replicator include	SA attach to 200 pin connector) les ① 15 pin external CRT port. ② 9 pin 16	550A serial port, ③ 25 pin EPP parallel port,
Modem/serial slot PCMCIA™ 2.1 slots	No (use PCMCIA)  3 Type II or 2 Type II  1st slot: 2 Typ memo 2nd slot: 2 Typ	e II or 1 Type III (but any additional memor ory will leave 1 Type II slot remaining) e II or 1 Type III (260 MB PCMCIA disk in	ry must go into this slot; so adding IC DRAM
Serial / parallel ports Security Warranty	Power-on password	or) / Yes (on Port Replicator)  syServ™ (Optional Overnight Repair Option	nn)
vvarianty	J year - Hilliki au La	Sycory (Optional Overnight Nepall Option	2017

The ThinkPad 730T requires a bootable operating system with Pen capability. Supported is:

- PenDOS® 2.2 with IBM DOS 7.0
  39H6014 PCMCIA HDD 260 MB PenDOS preloaded
  Pen for OS/2 1.03 with OS/2® Warp
  39H6017 PCMCIA HDD 260 MB Pen for OS/2 preloaded
  Windows for Pen Computing® 1.0 with IBM DOS 7.0/Windows 3.11
  Model B0F is preloaded with Windows for Pen Computing
  PenRight! ® (available at dealers)

PCMCIA SLOT CONFIGURATION Two Type III (10 mm high):					
IC DRAM only					
PCMCIA Type III					
260 MB disk in this slot (Model B0F)					

Quick Charger         66G9540           Car Battery Adapter         66G9545           NiMH Battery (dual)         66G9550           AC Adapter 20 watts         84G0480           PortReplicator         84G0485           External 3.5" 1.44 MB         48G8263           diskette drive         48G0495           Hand Strap         84G0490           Battery Case         84G0500	260 MB HDD PCMCIA Type III (Blank) 260 MB HDD PCMCIA Type III (Warp for Pen) 260 MB HDD PCMCIA Type III (PenDOS) 4 MB IC DRAM 70 ns 5v non-parity 8 MB IC DRAM 70 ns 5v non-parity 16 MB IC DRAM 70 ns 5v non-parity	06H9077 39H6017 39H6014 92G7236 92G7237 92G7424  FEATURES OF THINKPAD 73 Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty International Warranty Service 24 hour / 7 day telephone, bul board, fax, and electronic support IBM warranty/service 30 day money back guarantee	e e letin

IDM® Think Dad®	750	7500-	7500	7500	
IBM <sup>®</sup> ThinkPad <sup>®</sup> :					★ Traveling Multimedia preconfigured system
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	All: 80486 SL with mat All: 33 MHz All: 8 KB internal All: N/A (std in 486SL) All: 3.5" 2.88 MB O	h co The removed optional 'FDD \$135) to the ①	diskette drive can be utili External Kit' (includes ca Port Replicator Model I, Dock I Docking Station.	ized externally via the able and enclosure;	A preconfigured, multimedia <b>750C</b> ; Available Sept 93; \$ 7,245 • 4
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	Yes (external SVGA)	\$ 2,599 \ 9545-206   9545-208   340 MB \ 15 ms \ Nov 93 / withd Sept 94   VGA color   256 colors 640x480   STN - passive matrix LCD - Sidelit   9.5 inch   Dual scan   20 to 1   Yes (external SVGA)		VGA mono 64 grey scales STN - <b>pen enabled</b> LCD - Sidelit 9.5 inch 18 to 1 Yes (external SVGA)	<ul> <li>listed on left)</li> <li>340MB removable hard disk</li> <li>12 MB memory (4 MB std + 8 MB IC DRAM card)</li> <li>14.4 Data/Fax</li> </ul>
Memory - std / max Mem - sockets empty SIMM/ICs available	All: 4 / 20 MB 70 ns All: 1 socket (parity) All: 2, 4, 8, 16 MB ICs		<i>s for all:</i> 1 MB DRAM vi gital WD90C24 / Accelei RT / External VGA is SV	rator / 16 biť AT bus /	Station) - CD-ROM/XA - double speed and Kodak
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	All: Full size alp/num/ 8 All: Yes (legs pop out) All: TrackPoint II All: Yes (with option ca	① Fuel guage ② Standby mo	ns to instantly change in	⑦ High intensity text	Photo CD multisession - Dock I Carrying Case
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.7 x 8.3 x 1.7" 165 inches Blk nylon (option) Black 5.5 pounds	11.7 x 8.3 x 2.0" 194 inches Blk nylon (option) Black 6.2 pounds	11.7 x 8.3 x 2.0" 194 inches Blk nylon (option) Black 6.4 pounds	11.7 x 8.3 x 2.1" 204 inches Blk nylon (option) Black 6.6 pounds	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations)
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (smart) 5.3 to 12 hours 1.5 hrs / 1.5 hrs	Nickel hydride (smart) 3.5 to 8 hours 2.0 hrs / 1.5 hrs	Nickel hydride (smart) 3.4 to 8 hours 2.0 hrs / 1.5 hrs	Nickel hydride (smart) 5.1 to 12 hours 1.5 hrs / 1.5 hrs	<ul> <li>Asymetrix MediaBlitz! (library of media clips)</li> <li>LapLink™ V (file transfer via cable</li> </ul>
Architecture (ext port) Docking Station Port replicator PCMCIA 2.01 slots	All: Yes (Dock I and II I All: 2 types (below) All: 2 Type I or 2 Type	TV and VCR p ill or 1 Type III	n (CDPD),	/ Tuner (for on screen her third party options.	or modem) - Delrina WinFax PRO (fax software)
Serial / parallel ports Other features		nhanced Parallel Port (El Diagnostics in FLASH El			ALL 750 MODELS Liftable (pop-up)
Audio support Audio in/out jacks Security	All: Input jack supports All: Hardware security	n planar with Mwave audi microphone / Output ja loop / Power-on passwor ware config changes / H	ck supports headphone d / Supervisor password	or stereo speakers I (privileged access	keyboard to access diskette drive, disk, battery, and memory
Preinstalled software Warranty	DOS 6.1, PRODIGY® Online info, demo 3 year - carry in or EasyServ (opt onsite)	DOS 6.1, PRODIGY Online info, demo 3 year - carry in or	DOS 6.1, PRODIĜY Online info, demo 3 year - carry in or	DOS 6.1, Windows™ 3 Windows for Pen, PRO 3 year - carry in or	3.1, PenDOS™ 2.2, DDIGY, Online info, demo or \$40 each year; all mod)
The 700/720 family har	rd disks, batteries, and do	ocking station are NOT c	ompatible with 750. The	2 700/720 memory IS co	mpatible with 750

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 750. The 700/720 memory IS compatible with 750

# Dock I (Docking Station)

SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Replication of ports on back of 360750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;

## Dock II (Docking Station)

SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Can house removable disk from 360/750/755; Two PCMCIA slots (Type II and III); Many ports including audio, diskette, SCSI; Plug and Play ready

### Port Replicator Model I

2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power

Port Replicator Model II Same as Model I except no PCMCIA slots

## **750 MONOCHROME**

Upgradeable to ① monochrome pen enabled screen (same as 750P), or 2 10.4" TFT color

### 750Cs DUAL SCAN COLOR

Dual scan passive matrix color screen

### 750C ACTIVE MATRIX COLOR

Largest 10.4" active matrix color screen

## 750P CONVERTIBLE PEN

Same display as the 750 monochrome. Can be used in normal upright position or folded down into a position suitable for writing via the standard untethered stylus.

## Cellular Digital Packet Data (CDPD) **Mobile Communications Module**

Provides transmission of analog and digital data using a cellular telephone.

Supported on 750, 750Cs, 750C (not 750P). High speed 14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless; available April 1994; \$1,999

Many other options available from IBM

## **FEATURES OF ALL 750 FAMILY**

3 year international warranty 16 bit audio chip on planar (Mwave™) Headphone (out)/microphone (in) audio jacks Removable and upgradeable hard disks Removable diskette drive

Pressure activated TrackPoint II Std intelligent battery with built in processor for accurate monitoring on screen

Discharge battery via mouse click Quick Charger holds 2 batt; discharge button

Non-disruptive battery exchange Standby / suspend / hibernation modes Hibernation mode saves memory to the hard

disk and shuts system off

Selectable boot

US EPA Energy Star compliant Personalized nameplate in molded indention Coupon book with \$4,000 in savings

IBM or dealer warranty/service 30 day money back guarantee

24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support

# III ThinkPad 755 - withdrawn

IBM® ThinkPad®:	≫755Cs		×755C		★Traveling Multimedia			
	dual scan color		TFT color		preconfigured system			
Processor type Processor speed Memory cache Coprocessor socket Removable diskette	80486 DX2 ☐ to DX4 50/25 MHz 3.3 volt 8 KB internal (no L2) N/A (std in 486DX2) 3.5" 1.44 MB ○	<b>75/25 MHz</b> 3.3 volt 16 KB internal (no L2) N/A (std in 486DX4) 3.5" 1.44 MB O	8 KB internal (no L2) N/A (std in 486DX2) 3.5" 1.44 MB ()	<b>75/25 MHz</b> 3.3 volt 16 KB internal (no L2) N/A (std in 486DX4) 3.5" 1.44 MB $\bigcirc$	A preconfigured, multimedia <b>755C</b> ; Available June 94; withdrawn Dec 95 Part #2337289			
Price (retail USD) Type - model <b>all 9545</b> Removable disk - size Hard disk - speed ms Avail / withdrawn date	\$3,399 \$3,899 \$4,299 EOC EOE EOG 170 340 540 14	\$3,899 \$4,399 \$4,799 K0C K0E K0G 540 \$170 \$14 \$14 \$14 \$15 \$14 \$15 \$15 \$15 \$15 \$15 \$15 \$15 \$15 \$15 \$15	FOC	\$3,399 \$3,699 \$3,999 LOC LOE LOG 170 14 0 14 0 Jun 94 / Dec 95	\$ 6,399 *\( \) Included with the IBM Traveling Multimedia: Hardware:			
Display - type Display - colors Display - techology Display - light source Display - size (diag) Display - contrast ratio	VGA color 256 colors 640x480 (pal STN - passive matrix LCD - Sidelit 9.5 inch <b>Dual scan</b> 20 to 1	- 755C Model LOG - DX4 75/25 with all features listed on left - 540 MB removable hard disk - 8 MB memory (4 MB std + 4 MB DIMM on						
Graphics - controller Graphics - vendor Graph - arch/data path	ontroller All: WD90C24A or WD90C24A2 with 1 MB DRAM / Graphics WinMarks 4.0 = 4.3							
Memory - std / max Mem - sockets empty	oty All: 1 socket (parity) max or ② new DIMM technology for max of 36 MB with 4 or 16 MB Station) JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.  Station) - CD-ROM/XA - double							
	All: 2, 4, 8, 16, 32 MB IC		t works on optional Memo	ry Module Adapter	speed and Kodak Photo CD			
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	All: Full size alp/num/ 85 All: 8 (in any appl) All: Yes (legs pop out) All: TrackPoint II™ All: Yes (with option cab	Fn + F3 = Sta Fn + F4 = Sus Fn + F5 = Aud	indby Fn + F8, F spend Fn + F11 : dio decrease Fn + F12 :	= Ext display/LCD 9, F10 = (reserved) = Power mgmt = Hibernation mode	multisession - Dock I Carrying Case - Interlink <sup>®</sup> ProPoint™			
Dimensions Color Weight (with battery)	All: 11.7 x 8.3 x 2.0" (194 All: Black 6.1 pounds	4 cubic inches) Easy-		Intelligent battery with a	Software - same as 7550 plus:  - Asymetrix®COMPEL™			
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (smart) 4 to 8 hours 2 hrs / 1.5 hrs		Nickel hydride (smart) 3.1 to 8 hours	orocessor to allow accurate monitoring of battery condition and accurate fuel guage.	- Asymetrix MediaBlitz! (library of media clips) - LapLink™ V - Picture Factory™			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	All: Yes (2 types below) All: 2 Type I or 2 Type I All: Yes (one 9 pin; 1655	f: AT bus (ISA)  Diskette drive can be removed ① to reduce weight, ② to insert  Cellular modem (CDPD), ③ to insert TV Tuner (for on screen TV)  Sound Effects Library						
Other features .	All: APM-aware BIOS / F		. ,	,	ALL 755 MODELS			
Audio support Audio in/out jacks Security	All: 16 bit audio chip on planar / Crystal Semiconductor CS4248 / Internal speaker and microphone All: Input jack supports microphone / Output jack supports headphone or stereo speakers All: Power-on password / Hard disk password / Supervisor password (for hardware config changes) / Hardware security loop / PCMCIA card lock / (Security Base optional)  Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery,							
Preinstalled software	All: IBM DOS 6.3, Windo				and memory			
Warranty		riton CoSessions™ Host The removed	⊕ Lotus ScreenCam 1.0,      ⊕ PRODIGY <sup>®</sup> ,      ⊕ Americ diskette drive can be use le and enclosure;      \$135) to	a Online <sup>sм</sup> , ® SofNet Fa d externally via the optic	onal 'FDD External Kit'			
Dock I (Docking Stat		The ThinkPad 755 far		Cellular Digital Pack	tet Data (CDPD)			

SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Replication of ports on back of 360/750/755;

Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;

# Dock II (Docking Station)

SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Two PCMCIÁ slòts (Typè II and III); Many ports including audio, diskette, SCSI; Plug and Play ready

#### Port Replicator Model I \$299

2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power

Port Replicator Model II Same as Model I except no PCMCIA slots options of the ThinkPad 750 family.

Compatible in 360, 750, and 755 family:

- Hard disks (170, 250, 340, 540, 810 MB)
- Batteries (see below)
- Diskette drive Dock I and Dock II
- Port Replicator I - AC Adapter
- Port Replicator II Quick Charger CDPD Mobile Module (not pen models)

ThinkPad IC memory for 700, 720, 750, and

755 are all compatible. The 700 and 720 family hard disks, batteries, and docking station are NOT compatible with 750 or 755 family.

Battery compatibility: 360 750 755

84G2392 360 NiMH battery N Y Ν 66G2846 750 NiMH battery

Y = battery supported; N = not supported

Winstone 94 for 755C DX4 = 37.8

data using a cellular telephone. Supported on all 360/750/755 (except 750P). 14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless.

Provides transmission of analog and digital

# FEATURES OF ALL 750 and 755 FAMILY

Discharge battery via mouse click Quick Charger holds 2 batt; discharge button Battery life indicator

Non-disruptive battery exchange Standby / suspend / hibernation modes EasyPlaying (PC Card Director™) preinstalled and included on Utility Diskette (755 only) US EPA Energy Star compliant

Personalized nameplate in molded indention

International travelers warranty IBM or dealer warranty/service 30 day money back guarantee

24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support

(755THINK) Compiled by Roger Dodson, IBM. December 1995

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary 

# III ThinkPad 755CSE / CE - withdrawn

IBM® ThinkPad®:	> 755CSE		<b>≍</b> 755CE	<u> </u>		ThinkPa	ad 755CSE / CE strengths:		
	dual scan color		TFT color			DSP	with audio, data/fax modem, telephony		
Processor type Processor speed Processor / L2 upgrade Removable diskette Removable CD-ROM	IntelDX4ä / no L2 cache 100/33 MHz / 3.3 volt Pentium 75/50 MHz whicl 256 KB / write-throug Internal 3.5" 1.44 MB O / 3 Supports PCMCIA Cartric Not supported (Diskette b	gh / direct ma supports inte dge, TV Tune	apped / 12 r ernal 2.88 M er, or CDPE	1B diskette	pay _	<ul><li>□ Infrar</li><li>□ Color</li><li>□ Remo</li><li>□ Liftal</li></ul>	red communication r: 10.4 dual scan or 10.4 Black Matrix TFT ovable disk and diskette ole keyboard and TrackPoint III ade to Pentium with L2 cache		
Price (retail USD) Type - model Removable disk - size Removable disk - spd Available date Display - type Display - colors Display - techology	\$3,499 \ \ \ 9545-6BD \ \ 340 MB \ \ \ 14 ms \ \ Nov 1994 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$ 4,299 <b>\</b> 9545-6BE <b>810 MB</b> 14 ms O Nov 1994	\$ 4,299 • 9545-7BC 340 MB 14 ms O Oct 1994 VGA color 65,536 sim Black Mati	\$4,649 \\ 9545-7BD 540 MB \( \bar{9}\) 14 ms \( \cappa\) Oct 1994  / 640 x 480 ultaneous c ix TFT - acti	ive mat	-7BE <b>//B</b> s () 994 <b>trix</b>	Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis (2400 bps)  - V.32 (9600 bps)  - V.32bis (14.4 Kbps)  ② Fax modem function  - G3 fax send/receive (14.4 Kbps)  ③ Audio function  - Stereo waveform record and playback		
Display - diagonal size Graphics - controller Graphics - vendor Graph - arch/data path	UP90C24A2 with 1 MB D Western Digital / External VL-Bus 2.0 local bus / 32	PRAM SVGA to 10	)24 x 768 w		(up to 7	75 Hz)	<ul> <li>Qsound™ support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support</li> <li>Text to speech (via Monologue)</li> <li>Telephone function</li> </ul>		
Memory - std / max Mem - sockets empty Mem-options available	8 MB / 40 MB 70 ns / <b>pa</b> 1 socket 2, 4, 8, 16, 32 MB ICs or 4, 8 work on optional Memo	8, 16 MB DIM	① 1 opén socket for IC mem- IB DIMMs that ory card for 20 MB max or				Full telephone (can use opt headset)     Telephone answering machine     Full duplex speakerphone     Software upgradeable (28.8 and DS)		
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 (8 I Yes (legs pop out) TrackPoint III™ Yes (with option cable)	Fn key functi	max of 40 MB with 4, 8, or 16 MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.  ALL 755CSE / CE MODELS  Liftable (pop-up) keyboard to			i ŚO	PREINSTALLED APPLICATIONS  - IBM DOS 6.3  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ BonusPal  - CompuServe Info Mgr™, IBM Works  - Internet Connection, Person to Person		
Dimensions Color Weight (with battery)	11.7 x 8.3 x 1.96" (190 cu Black 6.4 pounds	,				dto			
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / in 3.3 to 10 hours 1.7 hrs / 1.2 hrs	telligent		and remove ttery, and m		,	- HyperACCESS Lite™, Video IN - FaxWorks™, MM Viewer™ - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo (except340 MB mod		
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features		nced Paralle	Intelligent battery with a processor to allow accurate monitoring of battery condition and accurate fuel guage.  III  arallel Port (EPP and ECP) C adapter (40 watts) / Selectable boot			battery uage.	<ul> <li>Online Users Guide</li> <li>ThinkPad features</li> <li>Lotus® cc:Mail™, e-mail for Advantis® network</li> <li>Lotus Organizer™ 1.12</li> <li>Lotus ScreenCam™ 1.0</li> </ul>		
DSP function Data/fax modem Audio support  Audio in/out jacks Telephone Infrared ports	Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP 16 bit audio chip on planar with Mwave DSP Internal speaker (with dial volume control) and internal microphone Input jack / output jack supports Telephone / answering machine / full duplex speakerphone Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs					one	4. Triton CoSessionä Host 5. PRODIGY <sup>®</sup> ; 6. America Online <sup>®</sup> 7. SofNet FaxWorks <sup>™</sup> Voice <sup>™</sup> 3.0 8. Video For Windows <sup>™</sup> 1.1 Runtime 9. Monologue (text to speech) 10. Puma TranXit <sup>™</sup> (infrared function) 11. Taxi <sup>™</sup>		
Security	Power-on password / Har security loop / Keyboard I MicroSaver™ cable lock)	rd disk passv ock / locking / PCMCIA ca	vord / Supe device key ard lock	rvisor passw hole (Kensir	/ord / Hangton™	ardware	-12. AlphaNet™ FollowFax™ 13. SEDONA™ REPRINT™ 14. COMPEL™ Personal Edition -15. Audiofile® TalkWorks™		
Preinstalled software Warranty	IBM DOS 6.3, Windows™ 3 year - carry in or EasyS				listed to	right:	16. Reuters <sup>sM</sup> Money <sup>®</sup> Network 17. Mwave Sampler (CD)		
The removed diskette	drive can be used	Compatibl	e in all Thin	kPad 360 faı	mily, 75	50	FEATURES OF 755CSE / CE MODELS		

The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I and II.						
to reduce weight     to insert cellular modem (CDP     to insert TV Tuner (for on screen VCR playback)	Diskette drive can be removed (from UltraBay™) ① to reduce weight ② to insert cellular modem (CDPD) ③ to insert TV Tuner (for on screen TV and VCR playback) ④ to insert PCMCIA Cartridge (Type I, II, or III) ⑤ to insert 2.88 MB diskette					
Options for 755CSE / CE:						
NiMH Battery Pack II     760 NiMH Battery (black)     TV Tuner (CE only)     FDD External Attachment Kit	85G1513 41H9720 66G3689 66G3618					

Memory Module Adapter 4 MB SO DIMM parity

8 MB SO DIMM parity 16 MB SO DIMM parity Compatible in all ThinkPad 360 family, 750 family, 755 family:
- Disks: 170 MB IDE 66G2847/9

		250 MB IDE	84G2391
		340 MB IDE	66G2849
		540 MB IDE	84G2150
		810 MB IDE	84G8250
-	Dock I	(1 slot / 1 bay)	3545001
-	Dock II	(2 slot / 2 bay)	3546001
-	Port Rep	olicator I (w/ PCMCIA)	66G3510
-	Port Rep	olicator II	66G3520
-	1.44 MB	diskette	std in newer
-	2.88 MB	diskette	66G0108
l			

Options for 755CSE / CE:

PCMCIA Cartridge 84G1301
Pentium/L2 upgrade 85G8609

ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible

## FEATURES OF 755CSE / CE MODELS

Discharge battery via mouse click
Battery life indicator
Non-disruptive battery exchange
Standby, suspend, and hibernation modes
US EPA Energy Star compliant
Personalized nameplate in molded indention
Personalization screen at startup
SelectaSystem™ capability to select operating
system choice
3 year warranty

3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

Withdrawn from marketing effective December 1995

84G2151

92G7253

92G7255

92G7257

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (755E) Compiled by Roger Dodson, IBM. December 1995

# IIM ThinkPad 755CX - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	755CX		755CX			Same as	ThinkPad 755CE except includes:			
	No DSP - 640 x		DSP - 800 x	c 600			ım 75/50 MHz			
Processor type Coprocessor socket L2 cache Removable diskette	Pentium® 75/50 N/A (standard in 256 KB / write-th Internal 3.5" 1.44 Supports PCMC	Pentium) rough / direct ma · MB ○ / support A Cartridge or C	s internal 2.88 DPD in diskett	MB diskette e bay		SVGA Non-pa	B L2 cache 800 x 600 LCD (on some models) arity memory m ion battery (on two models)			
Removable CD-ROM	Not supported	(Diskette bay is		1 .	l		7.0 (instead of DOS 6.3) and Mind Path Pro			
Price (retail USD) Type - model Part number Removable disk - size Removable disk - spd Avail / withdrawn date	14 ms O	\$ 4,149 ♣ 9545-SBK 85G1669 810 MB ☐ ○ 14 ms ○ Jun 95 / Jun 96	\$4,849 9545-HBD 85G8555 <b>540 MB</b> 14 ms O May 1995	\$5,249 9545-HBE 85G8524 <b>810 MB</b> 14 ms O May 1995	\$ 5,69 9545- 85G79 <b>1.2 G</b> 12 ms Sept 9	HBL 518 <b>B</b> ○	PREINSTALLED APPLICATIONS  - IBM DOS 7.0 SelectaSystem™  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak  - IBM PC Card Directorā for PCMCIA			
Display - type Display - colors Display - techology Display - diagonal size	VGA color / 640 65,536 simultan Black Matrix TF 10.4 inch / 100 to	eous colors T - active matri	x	r / 800 x 600 110 to 1 contr	ast rati	io	IBM PC Cald Directora for PCINICIA     IBM ThinkPad Demo     Online Users Guide     ThinkPad features; Diskette Factory     1. Lotus <sup>®</sup> cc:Mail™, e-mail for Global <sup>®</sup>			
Graphics - controller Graphics - vendor Graph - arch/data path	WD90C24A (Rev Western Digital / VL-Bus 2.0 local	External SVGA	to 1024 x 768 v	w/ 256 colors D and CRT / 1	(up to 7	75 Hz) gree tilt	network 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0			
Memory - std / max Mem - sockets empty Mem-options available		emory supporté	d but w/o parity) MB DIMMs that	ory card for ② new DIMN	cket fo 40 MB I techr	or IC mem- max or nology for	<ul> <li>4. Official Airline Guide<sup>®</sup> Flight Disk<sup>®</sup> 1.0</li> <li>5. Triton CoSession™ Host</li> <li>6. PRODIGY<sup>®</sup>; 7. America Online<sup>®</sup></li> <li>8. SofNet FaxWorks™ Voice™ 3.0</li> <li>9. Video For Windows™ 1.1 Buntime</li> </ul>			
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num Yes (legs pop ou <b>TrackPoint III</b> ™ Yes (with option of	t)	functions)	max of 40 M 16 MB JEDI DIMMs on o Module Ada	EC 72 ptional	oin SO	<ol> <li>9. Video For Windows™ 1.1 Runtime</li> <li>10. Monologue (text to speech)</li> <li>11. Puma TranXit™ (infrared function)</li> <li>12. Taxi™</li> <li>13. Second Nature Screen Saver</li> </ol>			
Dimensions \Weight (with battery)	11.7 x 8.3 x 1.96 6.1 pounds		0 cubic inches)  14. Farallon <sup>®</sup> Replica <sup>™</sup> 15. AlphaNet <sup>™</sup> FollowFax <sup>™</sup> Lithium ion / intelligent  16. SEDONA™ REPRINT™ 17. OMPFL™ Paragraph Faiting							
Battery - type Battery - life Charge time - on / off	NiMH/intelligent 2.6 to 8 hours 1.7 hrs / 1.2 hrs	Supports option	al 3 to 9 hours 2-2.5 hrs / 1	.5-2 hrs	NiMH t		<ul> <li>17. COMPEL™ Personal Edition</li> <li>18. Audiofile® TalkWorks™</li> <li>19. Reuters™ Money® Network</li> <li>20. Mind Path™ Presentation F/X Pro</li> </ul>			
Architecture Docking Station Port replicator PCMCIA <sup>™</sup> 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock I and II Port Replicator I 2 Type I or 2 Typ One 9 pin; 16550 APM-aware BIO	oe II or 1 Type II A / one (IEEE P	allow acc condition I 1284-A, EPP, E		ring of I e fuel g onal)	battery uage.				
Video function DSP function Data/fax modem Audio support	None None (but can ord None (but can ord None (but can ord	der DSP upgrade	e) Data/fax m e) 16 bit audi	DSP ith Mwave	x, audio, telephony function  DSP rol) and internal microphone					
Audio in/out jacks Telephone Infrared ports	Infrared ports (f	der DSP upgrade ront and back)	e) Input jack s e) Telephone /IRDA compa	upports micro (w/ opt heads <b>tible / up to 1</b>	ophone et) / an <b>15 kbs</b>	e / Output ja swering ma s	ack supports headphone/speakers achine / full duplex speakerphone			
Security	Power-on passw security loop / Ke PCMCIA card loo	ord / Hard disk per property of the control of the	password / Sup	ervisor passw	ord / H	lardware	ThinkPad 755CX supported batteries:			
Preinstalled software Warranty		6/2 Warp Version 3 and all appls listed to right: onal Overnight Repair Service) or carry-in			- NiMH Battery Pack II 85G1513 - Lithium Ion 85G8561 - Li-Ion Battery Pack II 29H9329					
Upgradeable or Integrovides:		755	npatible in all Th family: isks: 170 ME			750 family, G2847	- Travel Quick Charger 85G1522 (for NiMH or Li-Ion)			
Data modem fun     V.22bis (2400 b     V.32 (9600 bps)     V.32 (9600 bps)     V.32bis (14.4 kt)     Fax modem func     G3 fax send/rec     Sudio function     Stereo waveforr     Qsound™ suppo     32 voice MIDI w     SoundBlaster™     Text to speech (     Telephone functi     Full telephone (     Telephone answ     Full duplex spea     Software upgrad	ps)  pps)  tion eive (14.4 Kbps) m record and playlort (3-D effect) ave table synthes support via Monologue) ion can use opt heads vering machine kerphone	- Doack - D - D - P - P - 1 - 2 Opti - P - F - C - N	250 ME 340 ME 540 ME 810 ME 810 ME 1.2 GE ock I (1 slot / ort Replicator I ort Replicator I 44 MB diskette 88 MB diskette ons for 755CX: CMCIA Cartrido DD External Att DPD Communi lwave DSP Upo	B IDE B IDE B IDE B IDE B IDE C IDE	840 840 840 850 354 660 660 840 660 840 660 1e 710 242	G2391 G2849 G2150 G8250 G88562 I5001 I6001 G3520 in newer G0108 G1301 G3618 G2560	FEATURES OF 755CX MODELS  Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable ○ = Removable ♣ Price decrease effective November 7, 1995

⇒ = Withdrawn from marketing effective June 1996

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	. 75501/		75501/		_			
IBM® ThinkPad®;			<b>755CV</b> Djector LCD - Pention	ım	Sa	me as ThinkPad 755CE except includes:		
Processor type L2 cache Processor / L2 upgrade Removable diskette	IntelDX4™ 100/33 MHz None to Pentium 75/50 MHz which includes 256 KB L2 cache Internal 3.5" 1.44 MB m / sul Supports PCMCIA Cartridge	Pe 250 250 250 250 250 250	ntium® 75/50 MHz 6 KB write-throug direct mapp 64 bit to L2 rnal 2.88 MB diske	h / 12ns ed /soldered / 32 bit to mem tte	0 0	<ul> <li>Overhead projector LCD</li> <li>Supports optional lithium ion battery</li> <li>Mind Pathä Remote Control IR55</li> <li>F/X and software</li> </ul>		
Removable CD-ROM	Not supported (Diskette bay					Integrated Mwave™ DSP provides:		
Price Type-model / part Removable disk - size Removable disk - spd Avail / withdrawn date Display - type Display - colors Display - techology	9545-8BJ 540 MB 1 14 ms O May 95 / Jun 96 VGA color / 640 x 480 65,536 simultaneous color TFT - active matrix	810 14 Se	45-EBK/9545EBK <b>0 MB</b> (a) ms (c) pt 95 / Oct 96	9545-EBL /954 1.2 GB 1 12 ms O Sept 95 / Oct 9		Data modem function V.22bis (2400 bps) V.32 (9600 bps) V.32bis (14.4 Kbps) Fax modem function G3 fax send/receive (14.4 Kbps) Audio function Stereo waveform record and playback		
Display - diagonal size Display - projector Graphics - controller	10.4 inch / 100 to 1 contrast Overhead projector LCD b WD90C24A2 with 1 MB DRA	y removir AM	•			- Qsound™ support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support - Text to speech (via Monologue)		
Graphics - vendor Graph - arch/data path	Western Digital / External S' VL-Bus 2.0 local bus / 32 bit					Telephone function		
Memory - std / max Mem - sockets empty Mem-options available	8 MB / 40 MB 70 ns / parity 1 socket / 5 volt 2, 4, 8, 16, 32 MB ICs or 4, 8 work on optional Memo	, 16 MB DI	n-parity Memory ① 1 oper MMs that ory card Adapter ② new D	upgraded via n socket for IC m for 40 MB max o IMM technology	nem- or y for	<ul> <li>Full telephone (can use opt headset)</li> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Software upgradeable (to 28.8 &amp; DSVD)</li> </ul>		
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	TrackPoint III™ Re	key function cludes Min emote Conf 55 F/X	d Path™ 16 MB Ji trol DIMMs c Module A	<u> </u>	ory	PREINSTALLED APPLICATIONS  - IBM DOS 7.0 SelectaSystem™  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected		
Dimensions Color Weight (with battery)	11.7 x 8.3 x 1.96" (190 cubic Black 6.6 pounds	inches)	Liftable (pop-u access and ren disk, battery, a	nove diskette d		BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo		
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / intel 3.3 to 10 hours 1.7 hrs / 1.2 hrs all su	2.6	to 8 hours	(see below)		Online Users Guide     ThinkPad Features Program     Diskette Factory		
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE APM-aware BIOS / Universa	Intelligent battery with a processor to allow accurate monitoring of battery condition and accurate fuel guage.				1. Lotus <sup>®</sup> cc:Mail <sup>™</sup> , e-mail for Global <sup>®</sup> network     2. Lotus Organizer™ 1.12     3. Lotus ScreenCam™ 1.0     4. Triton CoSession™ Host     5. PRODIGY®; 6. America Online®     7. SofNet FaxWorks™ Voice™ 3.0		
DSP function Data/fax modem Audio support	Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP 16 bit audio chip on planar with Mwave DSP Internal speaker (with dial volume control) and internal microphone					8. Video For Windows™ 1.1 Runtime  9. Monologue (text to speech)  10. Puma TranXit™ (infrared function)  11. Taxi™		
Audio in/out jacks Telephone Infrared ports		t) / answering machine / full duplex speakerphone back) / IRDA compatible / up to 115 kbs				12. AlphaNet™ FollowFax™ 13. SEDONA™ REPRINT™ 14. COMPEL™ Personal Edition		
Security	Power-on password / Hard of security loop / Keyboard lock MicroSaver™ cable lock) / P	k / locking	device keyhole (Ke	assword / Hardw ensington™	ware	<ul> <li>15. Audiofile TalkWorks™</li> <li>16. Reuters Money Network</li> <li>17. Asymetrix 3D F/X</li> <li>18. Mind Path Proportation F/X Pr</li></ul>		
Preinstalled software Warranty	IBM DOS 7.0, Windows™ 3.1 3 year - ThinkPad EasyServ	1,OS/2 W (optional	arp Ver 3, and all a Overnight Repair (	ppls listed to rig Option) or carry-	iht: in	<ol> <li>Mind Path™ Presentation F/X Pro</li> </ol>		
Ships standard w/ Mind - Wireless, hand held radius of the company of the compan	0111010 00111101	Compatib family, 755 - Disks:	170 MB IDE 250 MB IDE	66G284 84G239	)1			
- Includes 5 buttons fo - Permits full control of	mouse resentation F/X software pecial effects	- Dock I		66G284 84G215 84G825 85G856 3545001 3546001	50 50 52 1	FEATURES OF 755CV MODELS  Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes		
- Works with all Windo	ws applications		plicator I (w/ PCM)	CIA) 66G351 66G352		US EPÁ Energy Star compliant		

Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http:\\www.pc.ibm.com) support IBM or dealer warranty/service Online Housecall (remote diagnostics)

- Li-Ion Battery Pack II (Pentium only) 29H9329 Pentium/L2 upgrade (DX4 mod) 85G8609 ThinkPad IC DRAM memory for 700, 720, 750, Cooling Fan Kit (for overhead) 755 families are all compatible. ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at

Works with all Windows applications

ThinkPad 755CV supported batteries:

- NiMH Battery Pack II

- Lithium Ion

Easy-Setup by holding F1 when turning on

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66G3520

66G0108

84G1301

66G3689

66G3618

29H8000

std in newer

85G1513

85G8561

Port Replicator II

1.44 MB diskette

2.88 MB diskette

PCMCIA Cartridge

FDD External Attachment Kit

Options for 755CV:

TV Tuner

IBM® ThinkPad®:	× 755CD		<b>≈ 755CD</b>		Thin	kPad 755CD strengths over 755CE / CSE:	
	TFT color - DX4		TFT color - Penti		l	obile multimedia - exceeds MPC2 standard	
Processor type L2 cache Processor/L2 upgrade Removable diskette	InteIDX4™ 100/33 MHz None to Pentium 75/50 MHz whi includes 256 KB L2 cac Internal 3.5" 1.44 MB ○ / s	he upports in	64 bit to l ternal 2.88 MB disk	ough / 12 ns apped / soldered _2 / 32 bit to mem	⇔ Ro ⇔ Vi ⇔ Jo	oblie multimedia - stated wir 62 standard emovable, double speed, 5.25" CD-ROM deo card (acceleration, composite in/out) bystick/MIDI port tereo speakers	
Removable CD-ROM	Supports PCMCIA Cartridge 5.25" CD-ROM O / double			A / front loaded /	IDE	The left bay (UltraBay™) supports either the	
Price Type - model Removable disk - size	9545-9BD 9545-9	BE 3 / 14 ms / Jun 96 5,536 simu	9545-FBK <b>810 MB</b> / 14 ms Sept 95 / Jun 96	9545-FBL <b>1.2 GB</b> / 12 ms	IDE_	standard diskette drive or standard CD-ROM. CD-ROM ships in this bay from factory.  Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory	
	10.4 inch / 100 to 1 contras						
	WD90C24A2 with 1 MB DI Western Digital / External VL-Bus 2.0 local bus / 32 b	SVGA to 1 oit / Simult	aneous LCD and C			Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis (14.4 Kbps)  ② Fax modem function	
Memory - std / max Mem - sockets empty Mem-options available	8 MB / 40 MB 70 ns / pari 1 socket / 5 volt 2, 4, 8, 16, 32 MB ICs or 4, work on optional Mem	8, 16 MB I	a Adantar IVIEMOI	y upgraded via en socket for IC m	nem-	Fax modern function     G3 fax send/receive (14.4 Kbps)     Audio function     Stereo waveform record and playback     Qsound support (3-D effect)	
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 (8 F Yes (legs pop out) TrackPoint III™ Yes (with option cable)	n key fund	tions) ory car ② new max of	d for 20 MB max on DIMM technology 40 MB with 4, 8, o	or for or 16	<ul> <li>32 voice MIDI wave table sýnthesizer</li> <li>SoundBlaster™ support;Text to speech</li> <li>Telephone function</li> <li>Full telephone (can use opt headset)</li> </ul>	
Dimensions Color Weight(w/batt/CD-ROM)	11.7 x 8.3 x 2.2" (214 cubi Black 7.3 pounds	MB JEDEC 72 pin SO DIMMs on optional Memory Module Adapter.				<ul> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Software upgradeable (to 28.8 &amp; DSVD</li> </ul>	
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / into 3 to 9 hours 1.7 hrs / 1.2 hrs	elligent	Nickel hydride (N 2.5 to 8 hours 1.7 hrs / 1.2 hrs	iMH) / intelligent Supports optional		1	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 One 9 pin; 16550A / one (I APM-aware BIOS / Univer	I and II  Type II or 1 Type III  50A / one (IEEE P1284-A, EPP, ECP, bidirectional); non-DMA  OS / Universal AC adapter (35 watts) / Selectable boot  with video acceleration, composite in/out, game port  2780 DSP with modem, fax, audio, telephony function				- Windows 3.11 (dual boot) - OS/2 Warp 3.0 w/ selected BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo - Online Users Guide - ThinkPad Features 1. Lotus® cc:Mail™, e-mail for Advantis® network; 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0 4. Triton CoSession™ Host 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0	
Video function (below) DSP function Data/fax modem Audio support	Mwave MDSP2780 DSP v Data/fax modem function 16 bit audio chip on plan						
Audio in/out jacks Telephone Infrared ports	Input jack / output jack Telephone / answering ma Infrared ports (front and	chine / full		7. SofNet FaxWorks™ Voice™ 3.0 8. Video For Windows™ 1.1 Runtime 9. Monologue (text to speech) 10. Puma TranXit™; 11. Taxi™			
Security	security loop / Keyboard lo MicroSaver™ cable lock)	password / Hard disk password / Supervisor password / Hardware op / Keyboard lock / Locking device keyhole (Kensington™ er™ cable lock) / PCMCIA card lock				12. AlphaNet™ FollowFax™ 13. REPRINT™; 14. COMPEL™ PE 15. TalkWorks™; 16. Reuters™ Money® Net 17. Asymetrix® Digital video Producer™	
Preinstalled software Warranty	IBM DOS, Windows™ 3.11 3 year - ThinkPad EasySe				-in	<ul> <li>17. Asymetrix Digital video Producer™</li> <li>18. Mind Path™ Presentation F/X Pro</li> <li>19. CD-ROM Catalog/Sampler</li> </ul>	
video with scaling ar	deo for Windows™ motion nd interpolation of image.		ible in all ThinkPad '55 family: :: 170 MB IDE 250 MB IDE	360 family, 750 66G284 84G239		To use diskette and CD-ROM simultaneously, need FDD External Kit and one of four docking solutions	
frame rate degredati			340 MB IDE 540 MB IDE	66G2849 84G2150	9	ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible	

- Composite in and S-Video in for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or approach camcorder without capturing it to disk). So can hook up a TV or VCR and run it on the ThinkPad screen.
- Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on a VCR the contents of the 755CD screen.
- Mini game port for MIDI or joystick (includes MIDI/joystick cable)
- Includes a video in and video out port (includes two video in/out cables)
- Use software called Digital Video Producer™

-	Disks:	170 MB IDE	66G2847/9
		250 MB IDE	84G2391
		340 MB IDE	66G2849
		540 MB IDE	84G2150
		810 MB IDE	84G8250
		1.2 GB IDE	85G8562
-	Dock I	(1 slot / 1 bay)	3545001
-	Dock II	(2 slot / 2 bay)	3546001
-		licator I (w/ PCMCIA)	66G3510
-	Port Rep		66G3520
	1.44 MB		std in newer
-	2.88 MB	diskette	66G0108

# Ontions for 755CD

0	ptions for 755CD:	
-	PCMCIA Cartridge	84G1301
-	NiMH Battery Pack II	85G1513
-	Lithium Ion Battery (Pentium only)	
-	Li-Ion Batt Pack II (Pentium only)	29H9329
-	CDPD Mobile Module	71G2560
-	FDD External Attachment Kit	66G3618
-	Pentium/L2 upgrade (DX4 mod)	29H8755

## **FEATURES OF 755CD MODELS**

Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange

Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded

indention

Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin

board, fax, electronic, and Internet (http:\\www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable; ○ = Removable; ➢ = Withdrawn from marketing

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IBM® ThinkPad®:		tor LCD - DX4		ctor LCD - Pentium		ne features as ThinkPad 755CD except udes:	
Processor type L2 cache Processor/L2 upgrade	IntelDX4™ 100/33 None	<b>3 MHz</b> MHz which	Pentium® 75/50 MHz 256 KB write-through / 12ns direct managed (soldared			Overhead projector LCD Supports optional lithium ion battery // Jind Path™ Remote Control IR55 F/X	
Removable diskette	Internal 3.5" 1.44	MB O / suppor	ts internal 2.88 MB			Integrated Mwave™ DSP provides:	
Removable CD-ROM	Supports PCMCI/ 5.25" CD-ROM C			and XA / front loade	d	① Data modem function - V.22bis (2400 bps)	
Price Type - model / part Removable disk - size Avail / withdrawn date		9545-ABK <b>810 MB</b> / 14 Jun95 / Jun96	9545GBK <b>810 MB</b> / 14 ms Sept 95 / Oct 96	9545-GBL 1.2 GB / 12ms Sept 95 / Oct 96		<ul> <li>V.32 (9600 bps) '</li> <li>V.32bis (14.4 Kbps)</li> <li>Fax modem function</li> <li>G3 fax send/receive (14.4 Kbps)</li> </ul>	
Display - type Display - techology Display - diagonal size Display - projector	TFT - active mate 10.4 inch / 100 to	<b>ix</b> 1 contrast ratio		ors ludes Stand and Stra	p)	<ul> <li>Audio function</li> <li>Stereo waveform record and playba</li> <li>Qsound™ support (3-D effect)</li> <li>32 voice MIDI wave table start and playbases</li> </ul>	
Graphics - controller Graphics - vendor Graph - arch/data path		External SVGA	to 1024 x 768 w/ 2	256 colors (up to 75 Hz and CRT / 180 degree t	<ul> <li>SoundBlaster™ support; Text to spe</li> <li>Telephone function</li> <li>Full telephone (can use opt headset</li> <li>Telephone answering machine</li> </ul>		
Memory - std / max Mem - sockets empty Mem-options available	2, 4, 8, 16, 32 MB	. ,	IVID DIIVIIVIO LIIAL	emory upgraded via 1 open socket for IC m	nem-	<ul> <li>Full duplex speakerphone</li> <li>Software upgradeable (to 28.8 &amp; DS</li> <li>PREINSTALLED APPLICATIONS</li> </ul>	
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num Yes (legs pop out TrackPoint III™ Yes (with option c	/ 85 (8 Fn key ) Inclu Path	functions) or @ des Mind m Remote M	y card for 40 MB max on the property of 36 MB with 4, 8, on the property of 36 MB with 4, 8, on the property of 36 MB may be not so that the property of 36 MB may be not so that the property of 36 MB may be not so that the property of 36 MB may be not so that the property of 36 MB may be not so that the property of 36 MB mB may be not so that the property of 36 MB mB mB mB mB mB mB mB mB mB mB mB mB mB	or 16 IMMs	- IBM DOS 7.0 SelectaSystem™ - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selecter BonusPak	
Dimensions Color Weight (with battery)	11.7 x 8.3 x 2.2" ( Black 7.45 pounds			dapter.	idio	<ul> <li>IBM PC Card Director™ for PCMCIA</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> </ul>	
Battery - type Battery - life Charge time - on / off		MH) / smart Supports opt Lithium ion	opt n	<ul> <li>ThinkPad Features; Diskette Facto</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for Global<sup>®</sup> network; 2. Lotus Organizer™ 1.12</li> <li>Lotus ScreenCam™ 1.0</li> </ul>			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features		<b>be II or 1 Type</b> A / One (IEEE I	when turning III P1284-A, EPP, EC		·1	<ol> <li>Triton CoSession™ Host</li> <li>PRODIGY®; 6. America Online®</li> <li>SofNet FaxWorks™ Voice™ 3.0</li> <li>Video For Windows™ 1.1 Runtime</li> <li>Monologue (text to speech)</li> <li>Puma TranXit™; 11. Taxi™</li> </ol>	
Video function (below) DSP function Data/fax modem Audio support Audio in/out jacks	Daughtercard with video acceleration, composite in/out, game port Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP 16 bit audio chip on planar with Mwave DSP Internal stereo speakers .5w (w/ dial volume control) and int microphone Input jack / output jack					<ul> <li>12. AlphaNet™ FollowFax™</li> <li>13. REPRINT™; 14. COMPEL™ PE</li> <li>15. TalkWorks™; 16. Reuters™ Money®</li> <li>17. Asymetrix® Digital Video Producer™</li> <li>18. Mind Path™ Presentation F/X Pro</li> <li>19. Asymetrix 3D F/X</li> <li>20. CD-ROM Catalog/Sampler</li> </ul>	
Telephone Infrared ports			/full duplex speake /IRDA compatib			The left bay (UltraBay™) supports either t	
Security	Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / Locking device keyhole (Kensington™ Microsaver cable lock) / PCMCIA card lock					standard diskette drive or standard CD-ROM. CD-ROM ships in this bay fro factory.	
Preinstalled software Warranty	IBM DOS 7.0, Win 3 year - ThinkPag	dows™ 3.11, O I EasyServ (op	S/2 Warp Version tional Overnight Re	3 and all appls listed to epair Option) or carry-i	right: n	To use diskette and CD-ROM simultaneously, need FDD External Kit and one of	
Enhanced Video Card - Acceleration of 'Video with scaling and	deo for Windows'ä r	motion fan	mpatible in all Thin nily, 755 family: Disks: 170 MB 250 MB			docking solutions Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory	

- Video may be scaled up to full screen without frame rate degredation.

  Composite in and S-Video in for video
- capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or camcorder without capturing it to disk). So can hook up a TV or VCR and run it on the ThinkPad screen.
- Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on a VCR the contents of the 755CD screen.
- Mini game port for MIDI or joystick (includes MIDI/joystick cable)
- Includes a video in and video out port
- (includes two video in/out cables)
  Use software called Digital Video Producerä

laililly, 755	iaiiiiy.	
- Disks:	170 MB IDE	66G2847/9
	250 MB IDE	84G2391
	340 MB IDE	66G2849
	540 MB IDE	84G2150
	810 MB IDE	84G8250
	1.2 GB IDE	85G8562
<ul> <li>Dock I</li> </ul>		3545001
<ul> <li>Dock II</li> </ul>	(2 slot / 2 bay)	3546001
<ul> <li>Port Rep</li> </ul>	olicator I (w/ PCMCIA)	66G3510
<ul> <li>Port Rep</li> </ul>		66G3520
- 2.88 MB	diskette	66G0108
0-4:	ZEECDV.	

## Options for 755CDV:

NiMH Battery Pack II 85G1513 Lithium Ion battery 85G8561 Li-Ion Batt Pack II (Pentium only) 29H9329 CDPD Mobile Module 71G2560 PCMCIA Cartridge 84G1301

Pentium/L2 upgrade (DX4 mod) 29H8755 Cooling Fan Kit (for overhead) 29H8000

ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible.

- layback
- nesizer o speech
- adset)
- & DSVD)

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s and sk. battery, and memory Exceeds MPC2 standard

# **FEATURES OF 755CDV MODELS**

Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM warranty/service

Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99. ☐ Upgradeable ☐ = Removable; ← = Withdrawn from marketing

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IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>&gt;&lt; 760L</b>				Thin	kPad 760L strengths:		
Processor type Processor speed Processor upgrade L2 cache Removable diskette Removable CD-ROM	Internal 3.5" 1.44 I	MHz ough / direct mapp MB ◯ / no rear co	oed / 10 n nnector fo	s / svnchronous / sold	ered UI	<ul> <li>Automated tilt up keyboard / palm rest space</li> <li>UltraBay: 2nd disk, 2nd battery, diskette</li> <li>Two high speed infrared ports</li> <li>Integrated audio / speakers / microphone</li> <li>16.7 million simultaneous color LCD</li> </ul>		
Price Type - model Preload (see side) Part number Avail / withdrawn date Remv disk - size / ms	9547-U01 SelectaSys 9547U01 Feb 96 / Oct 96	9547-U0A Windows 95 9547U0A Feb 96 / Oct 96	Pallette 9547-U0 Blank 9547U0I	of 24 systems PR	No int	ences between 760L and 760LD:  760L  760L  Pernal CD-ROM  Removable CD-ROM  height  7.11 lbs / 190 cu in  orts 12 mm disks  Supports 1.2 GB disks		
Display - diagonal size Display - type Display - techology	VGA color / 640 x Black Matrix TFT	- active matrix /	100 to 1 c			GB max capacity tt FDD port  Ext. FDD port on back Price		
Graphics - controller Graphics - external Graph - arch/data path	Trident™ CYBERS External SVGA to VL-Bus 2.0 local b	1024 x 768 w/ 25	6 colors ι		e tilt	-		
Memory - std / max Mem - upgrade		DEC 88 pin EDO	SO DIMM	s of 8 or 16 MB (acts like		SELECTASYSTEMPRELOAD		
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / Automted tilt up I TrackPoint III™ / i Yes (with option ca	<b>ceyboard</b> (5.5 de <b>ntegrated palm</b> (	grees)	Liftable (pop-up) k access and remove drive, 1st/2nd disk 1st/2nd battery	diskette	- IBM DOS 7.0 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak		
Weight (with battery) Battery - type Battery - life (1 batt) Battery - life (2 batt)	11.7 x 8.3 x 1.74" (169) 6.51 pounds NiMH / intelligent / Optional Lithium Ion 3 hours 6 hours  - IBM PC Card Director™ 3.0 - Online Users Guide - ThinkPad Features Program - Diskette Factory 1. Triton CoSession™ Host					- IBM PC Card Director™ 3.0 - Online Users Guide - ThinkPad Features Program - Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY®		
Architecture  Docking Station  Port replicator  PCMCIA™ 2.1 slots  Serial / parallel ports  Other features	ISA (EIDE, audio, VL-Bus 2.0 / 32 bit Dock I and II Port Replicator I a 2 Type I or 2 Type One 9 pin; 16550A APM-aware BIOS	:/33 MHz (graph nd II e II or 1 Type III i/one (IEEE P12	,	3. SofNet FaxWorks™ 4. Video For Windows™ 1.1 Runtime 5. Puma TranXit™ 6. CompuServ for Windows 7. NetFinity for Windows and OS/2  WINDOWS 95 PRELOAD				
Motion video accel MPEG decoder DSP function Data/fax modem Audio support  Audio in/out jacks Infrared ports Telephone	None None None 16 bit audio chip Int stereo speake Input jack (3.5 mm Infrared ports (fro None	rs / .5 watt / slide ) / output jack (3.5	-	- Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program - Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY® 3. SofNet FaxWorks™ 4. Puma TranXit™ 5. Compuserv for Windows 9. NetFinity for Windows 95				
Security	Power-on passwo device keyhole (Ko keyboard and DIM	ensington™ Micro	Saver™	Supervisor password / cable lock) / Security I / PC Card lock	Locking atch for	9. Nett linty for windows 93		
Preinstalled software Warranty	Choice of two prelo 3 year - ThinkPad	oaded configurati EasyServ (optior	ons (listed nal Overni	d to right) ght Repair Option) or	carry-in			
The left bay (UltraBay ① 2nd disk ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette dr ⑤ PCMCIA Cartridge ⑥ IBM Wireless Mode (option)  Easy-Setup is entered turning on.  All 760 systems supp battery in both battery  Maximum internal dis 2.16 GB with two 1.08	rive (option) (option) em for ARDIS (option) em for Cellular/CDF d by holding F1 whe ort the NiMH or Li-I v bay and UltraBay. k capacity on 760L	on) - Disk 720 810 1.00 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	s: (360/75 MB HDE MB HDE MB HDE MB GB HDD MC I (1 slot K II (2 slot) MB diske MB diske MB diske MB diske MB diske MI Battery MB Litum 120 MB MB AK MB AK MB AK MB AK MB AK MB AK MB AK MB AK MB AK MB AK MB AK MB AK	DILEIDE 12.5 mn DILEIDE 12.5 mn II (LD/CD only)17 mr Adapter / 1 bay) t / 2 bay) or I (w/ PCMCIA) or II bitte ridge ttery (black) y Pack II (gray) Charger Attachment Kit //60 MHz upgrade	n 29H9383 n 29H9313 n 29H9319	FEATURES OF 760 MODELS  Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service		

IBM® ThinkPad®:	≈ 760LD				Thin	hinkPad 760LD strengths:			
	10.4" TFT color - CD-ROM				- Re	emovable, 4 x speed, 5.25" CD-ROM			
Processor type Processor upgrade L2 cache Removable diskette Removable CD-ROM	Pentium® 90/60 MHz (P5 to Pentium 120/60 MHz 256 KB / write-through / di 3.5" 1.44 MB ○ / use in Ult 5.25" CD-ROM O / 4 x spec EIDE / PIO Mode 3 (ATAPI)	rect mappe traBay or at ed/multi-se		ntomated tilt up keyboard / palm rest space traBay: 2nd disk, 2nd battery, diskette tvo high speed infrared ports tegrated audio / speakers / microphone .7 million simultaneous color LCD					
Price Type - model (part) Preload (see side) Avail / withdrawn date Remv disk - size / ms	SelectaSystem Feb 96 / Oct 96 810 MB / 12 ms / EIDE O	9547-U3A ( Windows 99 Feb 96 / Oc / PIO Mode	5 ct 96	Pallete of 24 systems 9547-U3R (9547U3R) Blank Feb 96 / Oct 96		The left bay (UltraBay™) supports: ① 2nd disk ② 2nd battery ③ std diskette drive ④ std CD-ROM			
Display - diagonal size Display - type Display - techology	10.4 inch VGA color / 640 x 480 / 1 Black Matrix TFT - active					S. 2.88 MB diskette (option)     PCMCIA Cartridge (option)     IBM Wireless Modem ARDIS (option)     IBM Wireless Modem for Cellular/			
Graphics - controller Graphics - external Graph - arch/data path	Tridentä CYBER9320 with External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	768 w/ 256	colors up to		tilt	CDPD (option)			
Memory - std / max Memory - upgrade	8 MB / 64 MB 70 ns / non 2 sockets for two JEDEC 88	n-parity / 3.3	3 volt / fast p	page		SELECTASYSTEM PRELOAD - IBM DOS 7.0			
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III™ / integrate Yes (with option cable)	<b>ard</b> (5.5 deg		<ul> <li>Windows 3.11</li> <li>OS/2 Warp 3.0 (dual boot) w/ selected BonusPak</li> <li>IBM PC Card Director™ 3.0</li> <li>Online Users Guide</li> </ul>					
Dimensions Weight (with CD-ROM	11.7 x 8.3 x 1.96" (190 cub ) 7.11 pounds	oic inches)	Liftable (ı	pop-up) keyboard to acc	cess	ThinkPad Features Program     Diskette Factory			
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	NiMH / intelligent Option	nal ım lon	and remo	ve CD-ROM, diskette di isk, and 1st/2nd battery cceeds MPC2 standard	rive,	<ol> <li>Triton CoSession™ Host</li> <li>PRODIGY®</li> <li>SofNet FaxWorks™</li> <li>Video For Windows™ 1.1 Runtime</li> <li>Puma TranXit™</li> </ol>			
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCMCIA VL-Bus 2.0 / 32 bit / 33 Mh Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 - One 9 pin; 16550A / one (I APM-aware BIOS / Univer	nz (graphics Type III EEE P1284		6. CompuServ for Windows 7. NetFinity for Windows and OS/2  WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide  - ThinkPad Features Program					
Motion video accel MPEG decoder DSP function Data/fax modem Audio support	None None None 16 bit audio chip / 18 void Int stereo speakers / .5 w Input jack (3.5 mm) / Outpu	att / slide v	one	- Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY® 3. SofNet FaxWorks™ 4. Puma TranXit™ 5. Compuserv for Windows 9. NetFinity for Windows 95					
Telephone Infrared ports	None Infrared ports (front and								
Security	Power-on password / Hard device keyhole (Kensingto keyboard and DIMMS (req	on™ MicroS quires Kens							
Preinstalled software Warranty	Choice of two preload cont 3 year - ThinkPad EasySe	figurations ( erv (optional	(listed to rig I Overnight	ht) Repair Option) or carry-i	n				
Differences between 7	760L/LD and 760C/CD:	- Disks: 720 N	(360/750/7 //B HDD II E		9383				
Pentium 90/60 MHz All 10.4" TFT VGA 640 x 480 I CD	Pentium 120/60 or 90/60 10.4" or 12.1" TFT SVGA 800 x 600 LCD	1.08	Pentium 120/60 or 90/60 810 MB HDD II EIDE 12.5 mm 29H9313 10.4" or 12.1" TFT 1.08 GB HDD II EIDE 12.5 mm 29H9319 10.4" or 12.1" TFT 1.08 GB HDD II EIDE 12.5 mm 29H9319 10.4" or 12.5 mm 29H9319 10						

VGA 640 x 480 LCD SVGA 800 x 600 LCD 16.7 mil colors on LCD 65,536 colors on LCD None 760CD: Enh. Vid Card 760CD: MPEG decoder None Mwave DSP None 28.8 modem / DSVD None 18 voice FM synthesis 32 voice wavetable syn. NiMH battery Li-Ion battery Type is 9547 Type is 9546

All 760 systems support the NiMH or Li-Ion battery in both battery bay and UltraBay.

Maximum internal disk capacity on 760LD is 2.4 GB with two 1.2 GB disks.

CD only)17 mm Second HDD Adapter 29H9333 Dock I (1 slot / 1 bay)
Dock II (2 slot / 2 bay)
Port Replicator I (w/ PCMCIA) 3545001 3546001 66G3510 Port Replicator II 2.88 MB diskette PCMCIA Cartridge 66G3520 66G0108 84G1301 760 NiMH Battery (black) 41H9720 Li-Ion Battery Pack II (gray) Travel Quick Charger 29H9329 85G1522 FDD External Attachment Kit 66G3618 Pentium 120/60 MHz upgrade 29H9340 Car Battery Adapter ThinkPad AC Adapter (50 watts) 49G2167 66G3541 8 MB SO DIMM 3.3v non-parity EDO 92G7315 16 MB SO DIMM 3.3v non-parity EDO 92G7316 - ThinkPad headset 85G1301

## **FEATURES OF 760 MODELS**

Product Map; LCD indicator panel
Plug and Play 1.0a
Discharge battery via mouse click
Non-disruptive battery exchange
Standby, suspend, and hibernation modes
US EPA Energy Star compliant
Personalized nameplate in indention
Personalization screen at startup
International Warranty Service
24 hour / 7 day telephone, bulletin
board, fax, electronic, and Internet
(http://www.pc.ibm.com) support
IBM and dealer warranty/service
Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

○ = Removable

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760LD) Compiled by Roger Dodson, IBM. October 1996

IBM® ThinkPad®;	< 760C		Think	inkPad 760C strengths:						
Processor type Processor speed Processor upgrade L2 cache Removable diskette Removable CD-ROM	12.1" or 10.4" TFT col Pentium® (P54LM) / 90/60 or 120/60 MHz to Pentium 120/60 MH 256 KB / write-througl Internal 3.5" 1.44 MB None (diskette bay is	64 bit to L2 cach (see below) z n / direct mapped O (in UltraBay)	t up keyboard and palm rest space rgest notebook display models 12.1 inch raBay: 2nd disk, 2nd battery, diskette egrated 28.8 Kbps modem, audio, telephony o high speed infrared ports							
Price Type - model <b>all 9546</b> Preload (see side) Pentium speed Remv disk - size / ms Avail / withdrawn date	SelectaSys   Win 95 90/60 MHz 720 MB / 13 ms / EIDE	90/60 MHz 720 MB / 13	ctaSys   Win 95   SelectaSys   Win 95			DEO	U28 U2J SelctaSys Win 95 120/60 MHz 1.08 GB / 13 ms / EIDE O Jan 1996 / Oct 1996			
Display - diagonal size Display - type Display - techology	SVGA color / 640 x 4 Black Matrix TFT - ac	tive matrix / 10	12.1 inch							
Graphics - controller Graphics - external Graph - arch/data path		4 x 768 w/ 256 c 32 bit / Simultar	olors up to 75 neous LCD ar	nd CRT / 180 de	egree t	ilt				
Memory - std / max Mem - upgrade Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	8 MB / 64 MB 70 ns. 2 sockets for two JEDE Full size alp/num / 85 Automated tilt up ke TrackPoint III™ / inte Yes (with option cable	C 88 pin EÓO SO (8 Fn key function/ board (5.5 degregrated palm res	DIMMs of 8 or cons) Liftairees) acced drive	16 MB (acts like ble (pop-up) ke ss and remove , 1st/2nd disk,	eyboa diske	rdto	4			
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	10.4" models: 11.7 x 8.3 x 1.74" (169) 10.4" models: 6.1 pounds 10.4" models: 6.1 pounds 10.4" models: Lithium lon / intelligent 10.4" models: 3.8 hours 10.4" models: 3.8 hours 10.4" models: 3.8 hours 10.4" models: 7.6 hours 10.4" models: 7.6 hours 10.4" models: 7 hours 10.4" models: 7 hours 10.4" models: 7 hours 10.4" models: 7 hours 10.4" models: 7 hours 10.4" models: 7 hours 10.5/2 Walp 3.0 (dual boot) will selected BonusPak 12.1" models: 11.7 x 8.3 x 1.92" (186) 12.1" models: 6.8 pounds 12.1" models: Lithium lon / intelligent 12.1" models: 3.5 hours 12.1" models: NiMH 12.1" models: NiMH 12.1" models: 7 hours 12.1" models: 1.7 x 8.3 x 1.92" (186) 12.1" models: 1.7 x							sPak Director™ 3.0 Guide tures Program		
Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCI VL-Bus 2.0 / 32 bit / 3 Dock I and II Port Replicator I and I 2 Type I or 2 Type II o One 9 pin; 16550A / o APM-aware BIOS / Ui	B MHz (graphics) or 1 Type III ne (IEEE P1284-	boot	network; 2. Lotus Organizer™  3. Lotus ScreenCam™  4. Triton CoSession™ Host; 5. PRODIG  6. SofNet FaxWorks™ Voice™  7. Video For Windows™ 1.1 Runtime  8. Puma TranXit™ 9. COMPEL™ PE  10. Mind Path Presentation F/X Pro  11. Internet for Windows						
Motion video accel MPEG decoder DSP function Data/fax modem Audio support  Audio in/out jacks Infrared ports Telephone	None None Mwave MDSP2780 D Data/fax modem fun 16 bit audio chip on Int stereo speakers / Input jack (3.5 mm) / c Infrared ports (front Telephone / answerin	ction via DSP (volanar with Mwa .5 watt / slide volutput jack (3.5 m and back) / IrDA	1	11. Interfect of Windows 12. Compusery for Win; 13. WIN32s Run 14. NetFinity for Windows and OS/2 - Complimentary Applications CD-RO - Lotus SmartSuite 4.0 CD-ROM - WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program						
Security	Power-on password / device keyhole (Kens keyboard and DIMMS	Hard disk passw ngton™ MicroSa	ord / Supervis	sor password / ock) / Security la			Diskette Factory     Lotus <sup>®</sup> cc:Mail™, e-mail for IBM Globa network; 2. Lotus Organizer™			
Preinstalled software Warranty	Choice of two preload 3 year - ThinkPad Eas	ed configurations	(listed to righ	it)	) or ca	arry-in	<ol><li>SofNet FaxWo</li></ol>	ion™ Host; 5. PRODIGY® orks™ Voice™		
The left bay (UltraBay ① 2nd disk (requires © ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette dr	Second HDD Adapter)	- Disks: ( 720 M 1.08 G	Compatible in ThinkPad 760 family: - Disks: (360/750/755 IDE disks not supported) 720 MB HDD II EIDE 12.5 mm 29H9383 1.08 GB HDD II EIDE 12.5 mm 29H9319 1.2 GB HDD II (CD only) 17 mm 29H9325				7. Puma TranXit™ 8. Compuserv for Windows 9. Mind Path Presentation F/X Pro 10. COMPEL Personal Edition - Lotus SmartSuite 96 CD-ROM			
<ul><li>© PCMCIA Cartridge</li><li>© IBM Wireless Mode</li><li>Ø IBM Wireless Mode</li><li>(option)</li></ul>	(option) em for ARDIS (option) em for Cellular/CDPD	- Second - Dock II - Dock II - Port Re - Port Re	- Second HDD Adapter 29H9333				FEATURES OF 760 MODELS  Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries Plug and Play 1.0a			
2.16 GB with two 1.08 Easy-Setup is entered turning on.	d by holding F1 when	- 2.88 Mi - PCMCI - 760 Nin - Li-Ion E	- 1.44 MB diskette			108 301 <b>720</b> <b>329</b>	Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention			
Integrated Mwave™ [ ① Data modem funct ② Fax modem funct ③ Audio function (w ④ Telephone function - Full duplex speak ⑤ Digital Simultane	- Travel ( - FDD Ex - Pentium - Car Bat - ThinkPate - 8 MB SC - 16 MB SC	- Travel Quick Charger 85G1522 - FDD External Attachment Kit 66G3618 - Pentium 120/60 MHz upgrade 29H9340 - Car Battery Adapter 49G2167 - ThinkPad AC Adapter (50 watts) 66G3541 - 8 MB SO DIMM 3.3v non-parity EDO 92G7315				Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Interne (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnosti				

IBM® ThinkPad®:					Thin	ukPad 760CD strengths over 760C:					
	12.1" TFT color - CD-ROM				1	> Mobile multimedia - MPC2 compliant					
Processor type Processor upgrade L2 cache Removable diskette Removable CD-ROM	Pentium® 90/60 or 120/60 to Pentium 120/60 MHz fro 256 KB / write-through / din 3.5" 1.44 MB ○ / use in Ult 5.25" CD-ROM O / 4 x spee EIDE / PIO Mode 3 (ATAPI)	m 90/60 ect mappe raBay or a ed/multi-s	emovable, 4 x speed, 5.25" CD-ROM ideo card (acceleration, composite in/out) bystick/MIDI port PEG-1 and MPEG-2 HHR decoder								
	9546-U11 SelectaSystem 90/60 Mhz Oct 95 / Oct 96 1.2 GB / 12 ms / EIDE O /	95 S Iz 1 Oct 96 J		9546-U1C Windows 95 120/60 MHz Jan 96 / Oct 96		Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)  ② Fax modem function  - G3 fax send/receive (14.4 Kbps)  ③ Audio function  - Stereo waveform record and playback					
Display - diagonal size Display - type Display - techology	12.1 inch SVGA color / 640 x 480 or Black Matrix TFT - active					<ul> <li>Geound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support / text to speech</li> </ul>					
Graphics - controller Graphics - external Graph - arch/data path	Trident™ CYBER9320 with External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	'68 w/ 256	colors up to 75	5 Hz nd CRT / 180 degree	tilt	- MPEG audio decode  Telephone function - Full telephone (can use opt headset)					
Memory - std / max Memory - upgrade	8 MB / 64 MB 70 ns / non 2 sockets for two JEDEC 88	pin EĎO S	ODIMMs of 8 o	r 16 MB (acts like fast p		Telephone answering machine     Full duplex speakerphone     Digital Simultaneous Voice Data					
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III™ / integrate Yes (with option cable)	ı <b>rd</b> (5.5 de	egrees) 3 std c 5 2.88 6 PCM	it bay (UltraBay™) supports: disk; ② 2nd battery diskette drive; ④ CD-ROM MB diskette (option) dCIA Cartridge (option)		SELECTASYSTEM PRELOAD  - IBM DOS 7.0  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected					
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 2.14" (208 cub ) 7.47 pounds	ic inches)	® IBM	Wireless Modem ARDIS (o Wireless Modem for Cellula PD (option)		BonusPak - IBM PC Card Director™ 3.0					
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent op 3.1 hours Ni 6.2 hours 2 to 3 hrs / 1.5 to 2.5 hrs	tional MH	ccess drive,	<ul> <li>Online Users Guide</li> <li>ThinkPad Features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer™</li> </ul>							
Architecture  Docking Station Port replicator PCMCIATM 2.1 slots Serial / parallel ports	ISA (EIDE, audio, PCMCIA VL-Bus 2.0 / 32 bit / 33 Mh Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 7 One 9 pin; 16550A / one (II	z (graphic ype III EEE P128	i) ng F1	3. Lotus ScreenCam <sup>™</sup> 4. Triton CoSession <sup>™</sup> Host; 5. PRODIGY <sup>®</sup> 6. SofNet FaxWorks <sup>™</sup> Voice <sup>™</sup> 7. Video For Windows <sup>™</sup> 1.1 Runtime 8. Puma TranXit <sup>™</sup> ; 9. COMPEL <sup>™</sup> PE 10. Mind Path Presentation F/X Pro 11. Internet for Windows							
Other features  Motion video (below) MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports Security	APM-aware BIOS / Universide of the Company of the C	oosite and orizontal vith mode n via DSP ar with Ma att / slide t jack (3.5 chine / full back) / Ir[ I disk pass	7325) CD1)	<ul> <li>12. Compuserv for Win; 13. WIN32s Runtime</li> <li>14. NetFinity for Windows and OS/2</li> <li>15. Asymetrix® Digital Video Producer™ <ul> <li>Catalog/Sampler CD-ROM</li> <li>Complimentary Applications CD-ROM</li> <li>MPEG Sampler CD-ROM</li> <li>Lotus SmartSutie 4.0 CD-ROM</li> <li>WINDOWS 95 PRELOAD</li> </ul> </li> <li>Microsoft Windows 95</li> <li>Online User's Guide</li> <li>ThinkPad Features; Diskette Factory</li> <li>1. Lotus® cc:Mail™, e-mail for IBM Global®</li> </ul>							
Preinstalled software	keyboard and DIMMS (req Choice of two preload conf	uires Kens igurations	sington) / PC Ca (listed to right)	ard lock		network; 2. Lotus Organizer™ 3. Lotus ScreenCam™					
Warranty	3 year - ThinkPad EasySe			, ,	ın -	4. Triton CoSession™ Host; 5. PRODIGY® 6. SofNet FaxWorks™ Voice™					
MPEG motion video tion of image. Video screen without fram:  - Composite in and Scapture (capture and or VCR), still image digitize still photo imvideo on LCD like without or composite out and meaning use a TV a (connect to video or record on VCR hinling ame port for Includes a video in a (includes two video Use software called - Plays back MPEG in the Composite out of the connect to video or record on VCR hinling ame port for Includes two video or use software called - Plays back MPEG in the connect to video or use software called - Plays back MPEG in the connect to video or video	deo for Windows™ and with scaling and interpolation may be scaled up to full e rate degredation. S-Video in for video digitize video from a TV capture (capture and lages), and overlay (view ith a TV, VCR, or capturing it to disk). Is S-Video out to TV is if an external display ut port; NTSC or PAL); le screen of 760CD. MIDI or joystick and video out ports in/out cables) Digital Video Producer™ motion videos, CD-Is, and Karaoke MPEG	- Disks 720   1.08 1.20   5 Secon - Dock - Dock - Port F - Port F - 1.44   2.88   FCM0 - 760   Li-lor - Trave - FDD1 - Penti - Car B - 8 MB - 16 MB - Think	MB HDD II EID GB HDD II EID GB HDD II (CD nd HDD Adapte I (1 slot / 1 bay II (2 slot / 2 bay Replicator II MB diskette MB diskette CIA Cartridge IIMH Battery (the Battery Pack II Quick Charge External Attach IIIMH Battery IIIMH Sattery IIMH Sattery	IDE disks not suppor E 12.5 mm 29H9 29H9 29H9 29H9 3545(4) 3546(4) 3546(6G3 354 in no.66G0 84G1 29H9 29H9 29H9 29H9 29H9 29H9 29H9 29H	9383 9319 9325 9333 9001 901 9510 962 963 963 963 963 963 963 963 963	7. PumaTranXit™ 8. Compuserv for Windows 9. Mind Path Presentation F/X Pro 10. COMPEL Personal Edition 11. Asymetrix® Digital Video Producer™ - Catalog/Sampler CD-ROM - MPEG Sampler CD-ROM - Lotus SmartSuite 96 CD-ROM  FEATURES OF 760 MODELS  Product Map; LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalized nameplate in indention Personalized reen at startup International Warranty Service 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)					

# IIM ThinkPad 760EL - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	< 760EL
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	1.3" DSTN color or 12.1" TFT color - thick  Pentium <sup>a</sup> 100/66, 120/60, or 133/66 / 64 bit to L2 cache / 64 bit to mem o Pentium 133/66 MHz which includes 256 KB L2 cache  None (not separately upgradeable) 8.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618)  None / can upgrade to 4 x, 6 x, or 8 x CD-ROM into UltraBay
Price Type - model Preload (see side) Available date Pentium speed Remv disk - size / ms Disk controller	Pallette of 24 systems 9547-U6F 9547-U4F 9547-U6R U4S U4H U48 9547-U4R 9547-U4R Win 95 Win 95 May 1996
Display - size and type	
Display - techology	11.3" SVGA color / 640 x 480 or 800 x 600 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio Black Matrix TFT - active matrix / 100 to 1 contrast ratio
Graphics - controller Graph - arch/data path Gaphics - features	Frident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors  Simultaneous LCD and CRT / 180 degree tilt  810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3
Memory - std / max Memory - features	<b>B MB</b> / 72 MB or 104 MB <b>8 MB</b> / 72 or 104 <b>8 MB</b> / 72 MB or 104 MB <b>16 MB</b> / 80 MB or 104 MB <b>16 MB</b> / 80 or 104 MB 70 ns / non-parity / 3.3 volt / EDO / 2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fn key functions)  Automated tilt up keyboard (5.5 degrees)  FrackPoint IIIä / integrated palm rest / ext keyboard support (with option cable)  - Microsoft Windows 95  - Online User's Guide
Dimensions Weight	11.3" models: 11.7 x 8.3 x 1.98" (192)
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	- Diskette Factory  11.3" models: 3.1 hours  11.3" models: 3.3 hours  12.1" models: 3.3 hours  12.1" models: 6.6 hours  12.1" models: 6.6 hours  13.5" models: 6.2 hours  14.5 to 2.5 hrs
Architecture	SA (audio, diskette, serial, parallel, infrared, ext expansion)  4. Puma TranXit™ 5. Compuserv for Windows
Docking Station Port replicator PC Card Standard slot Serial / parallel ports Other features	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion) Dock I and II / SelectaDock I and II Port Replicator I and II / SelectaDock Base Model I Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible Doe 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot  6. NetFinity for Windows 95 Lotus SmartSuite 96 CD-ROM  OS/2 WARP CONNECT PRELOAD  1 IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications
Video in/out MPEG decoder DSP function Data/fax modem Audio support	None   Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/ 2nd battery, and other UltraBay options   2nd battery, and other UltraBay options   2nd battery, and other UltraBay options   5 bit audio chip / 20 voice MIDI FM synthesis / ESS1688   - Online User's Guide   - ThinkPad Features Program   - PC Card Director 4.0   - Diskette Factory   1. Trition CoSession™ Host;
Jacks Telephone Infrared ports	nt stereo speakers / .5 watt / slide volume control / internal microphone nput jack (3.5 mm) / Output jack (3.5 mm)  None  nfrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs  2. Puma TranXit™  3. NetFinity for OS/2  4. Prodigy  - Lotus SmartSuite 4.0 (entitled to SSuite 96)
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate  BLANK PRELOAD  - License for SmartSuite
Preinstalled software Warranty	Windows 95 with applications (listed on right)  New York of the Park of the Pa
The left bay (UltraBar 1) 2nd disk (requires 2) 2nd battery 3) std diskette drive 4) 2.88 MB diskette d 5) PCMCIA Cartridge 6) IBM Wireless Mode (option) Maximum internal dis 4.2 GB with two 2.1 ( Easy-Setup is entere turning on. ThinkPad 760EL sup - 760 NiMH Battery ( - Li-lon Battery Pack - Travel Quick Charg - Car Battery Adapte	- Second HDD Adapter - Second HDD Adapter - Dock I (1 slot / 1 bay) - Dock II (2 slot / 2 bay) - SelectaDock II - SelectaDock II - Port Replicator I (w/ PCMCIA slots) - Port Replicator II - SelectaDock Base Model I - Port Replicator II - SelectaDock Base Model I -

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). ○ = Removable 
Models U4F, U4H, U4R, U4S, U48 withdrawn effective January 1997; U6F eff July 1997

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# IBM ThinkPad 760EL (Fall 1996 models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>&gt;&lt; 760EL</b> 11.3" SVGA DSTN or 12.1'	" SVGA	TFT - thick								
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® 120/60 or 133/66 / 64 bit to L2 cache / 64 bit to memory to Pentium 133/66 MHz which includes 256 KB L2 cache None (not separately upgradeable)   256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618) None / can upgrade to optional CD-ROM into UltraBay										
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Remv disk - size / ms Disk controller	9547-U6H Windows 95 October 1996 / July 1997 120/66 MHz		9547-U4G Windows 95 October 1996 / October 199 133/66 MHz 2.1 GB / 13 ms O	24 systems e) 96 / April 1997 z ms O	9547-U4K Windows NT 4 Nov 1996 / July 133/66 MHz 2.1 GB / 13 ms	/ 1997					
Display - size and type	11.3 inch DSTN		12.1 inch TFT		12.1 inch T	FT	12.1 inch TFT				
Display - techology	11.3" SVGA color / 640 x 256 simultaneous colors / I					olor / 640 x 480, 80 FT - active matrix /					
Graphics - controller Graph - arch/data path	PCI 2.1 / external SVGA to	1024 x				ER9385/64 bit SVG nal SVGA to 1024 >					
Graphics - features	Simultaneous LCD and CF	11 / 180	degree tilt  1 16 MB / 72 MB or 104 MB		16 MD / 00	MD or 104 MD	<b>32 MB</b> /80 MB o	× 104 MD			
Memory - std / max Memory - features	• •		2 sockets for 2 JEDEC 144 p	in l			1 socket availab				
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 For Automated tilt up keyboa TrackPoint III™ / integrate	ı <b>rd</b> (5.5 (		/ith	option cable	- Microsoft Windo					
Dimensions Weight		1.98" (1	192)   <i>12.1" models:</i> 11.7 x 8	3.3	x 2.0" (194)	- Online User's G - ThinkPad Featu - PC Card Direct	ires				
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent 11.3" models: 2.7 hours 11.3" models: 5.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs		nal NiMH battery supported)   12.1" models: 3.0 hou   12.1" modles: 6.0 hou		,	- Diskette Factor 1. Triton CoSessid 2. Puma TranXit™ 3. Compuserv for	y on™ Host				
Architecture	ISA (audio, diskette, serial	, paralle	el, infrared, ext expansion) raphics, CardBus, ext expan	sin	ın)	NetFinity for Wi     Lotus SmartSui	ndows 95				
Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	Dock I and II / SelectaDoc Port Replicator I and II / Se 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE	ck I and electaD ype III / G EEE P12	d II and III	\ 2. nal)	1 compatible	WINDOWS NT 4.0 PRELOAD     Microsoft Windows NT 4.0 Workstation with utilities and device drivers     NT model with 32 MB consists of 8 MB					
Video in/out MPEG decoder DSP function	None None None	remo	ble (pop-up) keyboard to acove diskette drive, 1st/2nd d and battery, and other Ultra	isk	, and	on planar, 8 MB in memory carrier, and 16 MB via a SO-DIMM. One SO-DIMM socket is available.  BLANK PRELOAD - License for SmartSuite  ThinkPad 760EL supported batteries:					
Data/fax modem Audio support Jacks	Input jack (3.5 mm) / output	tt/slide	volume control / internal mic	rop	hone						
Telephone Infrared ports	None Infrared ports (front and	hack)/	IrDA 1.0 compatible / up to	11	5 khs	- 760 NiMH Battery (black) 41H9720					
Security	Power-on password / Hard Security keyhole (requires	l disk pa	assword / Supervisor passwo / Security latch for keyboard d lock / Personalization / Secu	rd /	, d	- Li-Ion Battery Pack II (gray) 29H - Travel Quick Charger 85G - Car Battery Adapter 49G					
Preinstalled software Warranty	Windows 95 with application <b>3 year</b> - ThinkPad EasySe		ed on right) onal Overnight Repair Option	) or	carry-in	ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported)					
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette dri ⑤ PCMCIA Cartridge ( ⑥ IBM Wireless Mode (option)  Maximum internal disl 4.2 GB with two 2.1 G Easy-Setup is entered turning on.  810 MB = DMA Mode 1.08 GB = DMA Mode 1.35 GB = DMA Mode 2.1 GB = DMA Mode 2.1 GB = DMA Mode Maximum is 80 MB or models, but 104 MB re Proven vendor option.	ive (option) (option) m for ARDIS (option) m for Cellular/CDPD  ccapacity on 760EL is B disks I by holding F1 when 2 2 or PIO Mode 4 2 1 or PIO Mode 3 2 2 or PIO Mode 4 2 2 or PIO Mode 4 2 2 or PIO Mode 4 3 2 2 or PIO Mode 4 4 2 2 or PIO Mode 4 6 2 2 or PIO Mode 4 7 1 04 MB on all	- Sec - Doo	actible in ThinkPad 760EL fame cond HDD Adapter ck I (1 slot / 1 bay) ck II (2 slot / 2 bay) E Conversion Card (for Dock I ectaDock II ectaDock II ectaDock III ectaDock III ectaDock III ectaDock III ectaDock Base Model I 8 MB diskette MCIA Cartridge (one Type III) D External Attachment Kit ntium 133/66 MHz/L2 upgrade watt AC Adapter (slim, 4 pin) CD-ROM (UltraBay) CD-ROM (UltraBay) CD-ROM (UltraBay) III B SO DIMM 3.3v NP EDO 64 II B SO DIMM	ots)	29H9333 3545001 3546001 46H5994 <b>3547001</b> <b>3547002</b> <b>3547003</b> 66G3510 66G3520 <b>39H7405</b> 66G0108 84G1301 66G3618 46H5991 76H0119 <b>39H7413</b> <b>85G1957</b> <b>45H8786</b> <b>00K7903</b> <b>92G7340</b>	- 720 MB HDD III - 810 MB HDD III - 810 MB HDD III - 1.08 GB HDD III - 1.2 GB (1.96"+ n - 1.4 GB HDD 3L - 2.1 GB (1.96"+ n - 3.0 GB (1.96"+ n - 3.0 GB (1.96"+ n  FEATURES  Setup Pointer (sing LCD indicator par Plug and Play 1.0a Discharge battery Non-disruptive batt Standby, suspend, hibernation mode US EPA Energy St Personalization sc International War 24 hour / 7 day tel board, fax, elect (http://www.pc.i IBM and dealer wa Online Housecall	EIDE 12.5 mm EIDE 12.5 mm models) 17 mm EIDE 12.5 mm models) 17 mm models) 17 mm models) 17 mm models) 17 mm  OF 760 MODELS gle page) mel  via mouse click tery exchange safe suspend, and sar compliant epplate in indentior reen at startup ranty Service ephone, bulleting ronic, and Interibm.com) suppo marranty/service	29H9313 29H9319 29H9319 29H9325 69H8412 69H8414 45H8789 <b>S</b>			

# ThinkPad 760ELD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>★ 760ELD</b> 12.1" TFT color - CD-ROM	1				
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® 100/66 (P54LN to Pentium 133/66 MHz w None (not separately upgr 3.5" 1.44 MB O / use in UI External FDD port (require 5.25" CD-ROM O / 4 x sp EIDE / PIO Mode 3 (ATAI	n) / 64 bit to hich include adeable) ItraBay or a es FDD Ext beed / mult	WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide  - ThinkPad Features  - PC Card Director 4.0  - Diskette Factory			
Remv disk - size / ms Disk controller	9547-U3F <b>Windows 95</b> May 1996 / 1997 <b>810 MB</b> / 13 ms O / DMA M Enhanced IDE / busmaste	r / PCI 2.1 /	<ol> <li>Triton CoSessión™ Host;</li> <li>PRODIGY®</li> <li>SofNet FaxWorks™ Fax</li> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ol>			
Display - size and type Display - techology	12.1 inch SVGA color / 64 Black Matrix TFT - active		800 x 600 / 65,536 simultaneous colors 00 to 1 contrast ratio			
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	Trident™ CYBER9320 / 32 PCI 2.1 / 32 bit Simultaneous LCD and CF External SVGA to 1024 x 7	RT / 180 deg				
Memory - std / max Memory - upgrade	8 MB / 72 MB 70 ns / non 2 sockets for two JEDEC		B volt / EDO OO SO DIMMs of 8, 16, 32 MB			
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III™ / integrate	<b>ard</b> (5.5 dec				
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 2.14" (208 cub 7.28 pounds (3.30 kg)	oic inches)				
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent opt 3.2 hours 6.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs	tional MH	Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery			
Architecture	ISA (audio, diskette, serial PCI 2.1 / 32 bit / 33 Mhz (E		nfrared, ext expansion) hics, CardBus, ext expansion)			
Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	Dock I and II / SelectaDoc Port Replicator I and II / Se 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	ck I, II and electaDocl ype III / Car EEE P1284	III	Easy-Setup is entered by holding F1 when turning on.  810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3		
Video in/out MPEG decoder DSP function Data/fax modem	None None None None	·				
Audio support  Jacks Telephone Infrared ports	Input jack (3.5 mm) / Outpu None	tt / slide vol ıt jack (3.5 r	ume control / internal microphone	ThinkPad 760 ELD supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319		
Security	Power-on password / Hard device keyhole (Kensingto DIMMS (requires Kensingto	d disk passv on™ cable le ton) / PC Ca	word / Supervisor password / Locking ock) / Security latch for keyboard and ard lock / Personalization / Security Plate	- 1.2 GB (1.96"+ models) 17 mm 29H9315 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789		
Preinstalled software Warranty	Windows 95 with application 3 year - ThinkPad EasySe	ons (listed c rv (optional	on right) I Overnight Repair Option) or carry-in	- 5.1 GB (1.96" or higher models) 00K7902		
The left bay (UltraBay 1) 2nd disk 2) 2nd battery 3) std diskette drive 4) CD-ROM	™) supports:	- Secon - Dock I - Dock I	ble in ThinkPad 760ELD family: d HDD Adapter 29H9333 (1 slot / 1 bay) 3545001 I (2 slot / 2 bay) 3546001 bnversion Card (for Dock I/II) 46H5994	ThinkPad 760E supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167		
<ul> <li>\$ 2.88 MB diskette (o)</li> <li>\$ PCMCIA Cartridge (o)</li> <li>\$ IBM Wireless Mode</li> <li>\$ IBM Wireless Mode</li> <li>\$ CDPD (option)</li> </ul> All 760 systems supposattery in both battery	(option) m ARDIS (option) m for Cellular/ ort the NiMH or Li-Ion bay and UltraBay.	- Select - Port R - Port R - Select - 2.88 M - PCMC - FDD E - Pentiu - 4 x CD - 6 x CD - 8 x CD - 8 20 x - 8 MB S - 16 MB	Achassa   Acha	FEATURES OF 760 MODELS  Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

# ThinkPad 760E (SVGA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>760E</b> 12.1" SVGA TFT - thick	<b>≈ 760E</b> 12.1" SVGA TET - thin	Key differences between 760E and 760ED:				
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM Price Type - model	Pentium® 120/60 or 13: to Pentium 133/66 MHz f 256 KB / write-back / direc 3.5" 1.44 MB O / in Ultra External FDD port	3/66 (P54LM) / 64 bit to L2 rom 120/60 ct mapped / 10 ns / synchror Bay None None / can not install a C	nous pipelined burst	760E  No std CD-ROM No video in/out No joystick/MIDI port No MPEG decoder Lighter Price  760E  Standard CD-ROM Video in/out and cable Joystick/MIDI port MPEG decoder Heavier Price			
Preload (see side) Avail / withdrawn date Pentium speed Remv disk - size / ms Disk controller	Windows 95 Blank May 1996 / Jan 1997 120/60 MHz 1.2 GB / 12 ms ○ EIDE / busmaster / PCI 2 12.1 inch SVGA color / 0	Windows 95 May 1996 / Jan 1997 120/60 MHz 810 MB / 13 ms O 2.1 / supports two internal of 640 x 480 or 800 x 600 / 65; re matrix / 100 to 1 contrast	Windows 95 May 1996 / Jan 1997 133/66 MHz 1.08 GB / 13 ms O disks 536 simultaneous co	- Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0			
Graphics - controller Graph - arch/data path Gaphics - features	Trident™ CYBER9320 / 3 PCI 2.1 / 32 bit / external Simultaneous LCD and C	2 bit SVGA accelerator / 1 N SVGA to 1024 x 768 w/ 256 RT / 180 degree tilt	2. PRODIGY <sup>™</sup> 3. SofNet FaxWorks <sup>™</sup> Fax				
Memory - std / max Memory - features Memory - upgrade Keyboard / # of keys	70 ns / non-parity / 3.3 vc 2 sockets for two JEDEC Full size alp/num / 85 (8	C 144 pin EDO SO DIMMs Fn key functions)		5. Compuserv for Windows 6. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM			
Reyboard slope Pointing / palm rest Dimensions Weight Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	11.7 x 8.3 x 2.14" (208) 7.06 pounds (3.20 kg) Lithium Ion / intelligent	ted palm rest / ext keyboard  11.7 x 8.3 x 1.92" (186 cu 6.76 pounds (3.07 kg)  ptional  Liftable (pop and remove of disk, and 1st		ess			
Architecture  Docking Station Port replicator	ISA (audio, diskette, seri PCI 2.1/32 bit/33 Mhz Dock I and II / <b>SelectaD</b> Port Replicator I and II / S 2 Type I or 2 Type II or 1 One 9 pin; 16550A / one APM-aware BIOS / Slim	Easy-Setup is entered by holding F1 when turning on.  810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3					
Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone Infrared ports	Data/fax modem function 16 bit audio chip on pla Int stereo speakers / .5 Input jack (3.5 mm) / Outp Telephone / answering management of the state o	watt / slide volume contro	pps) / Mwave 2.1 I <b>l / internal microphor</b> erphone / DSVD	- 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522			
Security	device keyhole (Kensing DIMMS (requires Kensin	rd disk password / Supervis ton™ cable lock) / Security gton) / PC Card lock / Perso	latch for keyboard and	d			
Preinstalled software Warranty  The left bay (UltraBay ① 2nd disk (requires ③ 2nd battery ③ std diskette drive ④ 2.88 MB diskette dr ⑤ PCMCIA Cartridge ⑥ IBM Wireless Mode ⑦ IBM Wireless Mode	r™) supports: Second HDD Adapter) rive (option) (option) em for ARDIS (option)	Compatible in ThinkPad - Second HDD Adapter - Dock I (1 slot / 1 bay) - Dock II (2 slot / 2 bay) - IDE Conversion Card - SelectaDock I - SelectaDock II	760E family: 29H933 354500	- 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" or higher models) 69H8414 FEATURES OF 760 MODELS Setup Pointer (single page)			
2.8 GB with two 1.4 G Easy-Setup is entered turning on. Integrated Mwave™ D ① Data modem funct ② Fax modem funct ③ Audio function (w ④ Telephone function - Full duplex speak ⑤ Digital Simultaned	GB disks (thick models) or GB disks (thin models) or GB disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) disks (thin models) or disks (thin models) disks (	- Port Replicator II - SelectaDock Base M - 2.88 MB diskette drive - PCMCIA Cartridge (or - FDD External Attachn - Pentium 133/66 MHz/ - 35 watt AC Adapter (s - 4 x CD-ROM (for thick) - 6 x CD-ROM (for thick) - 8 MB SO DIMM 3.3v N - 16 MB SO DIMM 3.3v I	66G352   39H740   66G010   66G010   ne Type III)   84G130   nent Kit   66G361   L2 upgrade   46H599   Slim, 4 pin)   76H011   K model)   39H741   R model)   85G195   P EDO 64 bit   92G734   NP EDO 64 bit   92G734	Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin hoard fax electronic and Internet			

# ThinkPad 760E (XGA) - withdrawn

IBM® ThinkPad®:						Key differences between 760E and 760ED:				
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM Price	None <b>256 KB</b> / write-back / direct 3.5" 1.44 MB $\bigcirc$ / in UltraBa	mapped / ay s Externa	oit to L2 cache / 64 bit to mer 10 ns / synchronous pipelined I FDD Attachment Kit 66G36 D-ROM into UltraBay	rideo in/out V bystick/MIDI port J I/PEG decoder M ter H	760ED Standard CD-R /ideo in/out an loystick/MIDI p MPEG decoder Heavier Price	d cable ort				
Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9B Windows 95 2.1 GB / 12 ms O EIDE / busmaster / PCI 2. October 1996 / October 19	97 ''		WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide  - ThinkPad Features						
Display - size and type Display - techology	12.1 inch XGA color / 640 Black Matrix TFT - active	x 480, 800 matrix / 1	<b>x 600, or 1024 x 768 / 65,53</b> 0 00 to 1 contrast ratio	6 siml co	olors	- PC Card Director 4.0 - Diskette Factory				
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	PCI 2.1 / 32 bit / <b>DCI, Direct</b> Simultaneous LCD and CR External SVGA to 1280 x	t <b>Draw, E</b> i T / 180 de 1024 w/ 25	gree tilt 66 colors or 1024 x 768 w/ 65			Triton CoSession™ Host     SofNet FaxWorks™ Voice™     Puma TranXit™     Compuserv for Windows				
Memory - std / max Memory - features Memory - upgrade	16 MB / 80 MB (104 MB with 70 ns / non-parity / 3.3 volth 2 sockets for two JEDEC	/EDO	ad Proven option) DO SO DIMMs of 8, 16, 32 M	1B		<ul><li>5. NetFinity for Wind</li><li>Lotus SmartSuite</li></ul>				
Keyboard / # of keys Keyboard slope Pointing / palm rest		<b>rd</b> (5.5 de d palm res	tions) grees) t / ext keyboard support (w/ op	otional ca	ıble)					
Dimensions Weight	11.7 x 8.3 x 2.0" (194 cubic 6.41 pounds (2.91 kg)	inches)								
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent opt. 2.6 hours Nill 5.2 hours 2 to 3 hrs / 1.5 to 2.5 hrs		Liftable (pop-up) keyboar and remove diskette drive disk, and 1st/2nd battery ( models support CD-ROM)	e, 1st/2nd (thick						
Docking Station Port replicator	Port replicator Port Replicator I and II / SelectaDock Base Model I PC Card Standard slots Serial / parallel ports Port Replicator I and II / SelectaDock Base Model I 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)						Easy-Setup is entered by holding F1 when turning on.  810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4			
Video in/out MPEG decoder DSP function Data/fax modem	Data/fax modem function	via DSP	m, fax, audio, telephony fur (v.34 to 33.6 Kbps) / Mwave 2			1.2 GB = DMA Mode 1 or PIO Mode 3 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4				
Audio support  Jacks Telephone Infrared ports	Input jack (3.5 mm) / Output Telephone / answering ma Infrared ports (front and ba	att / slide t jack (3.5 i chine / ful ck) / IrDA	volume control / internal mi mm) I duplex speakerphone / DS\ 1.0 compatible / up to 115 kb	/D s		ThinkPad 760E supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167				
Security	Security keyhole / Security	latch for l	word / Supervisor password / keyboard and rd lock / Personalization / Se		ate	ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported)				
Preinstalled software Warranty	Windows 95 with application 3 year - ThinkPad EasySer	ns (listed on the contract of	on right) Il Overnight Repair Option) or	carry-in		- 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319				
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette dri ⑤ PCMCIA Cartridge (⑥ IBM Wireless Mode (option)  Maximum internal dish 10.2 GB with two 5.1 (Easy-Setup is entered turning on.  Integrated Mwave™ D ① Data modem functi ⑥ Fax modem functi ⑥ Audio function (w: ⑥ Telephone function - Full duplex speake ⑥ Digital Simultaneo	ve (option) option) m for ARDIS (option) m for ARDIS (option) m for Cellular/CDPD  capacity on 760E is GB disks I by holding F1 when  SP provides: tion (to 28.8 Kbps) on (to 14.4 Kbps) ave table synthesis) n erphone	- Secon - Dock I - Dock I - Dock I - Select - Select - Port R - Port R - POMC - Select - 35 wat - 4 x CD - 8 x CD - 8 x CD - 8 MB S - 16 MB	ole in ThinkPad 760E family: d HDD Adapter (1 slot / 1 bay) l (2 slot / 2 bay) onversion Card (for Dock I/II) taDock II taDock III taDock III taDock III taDock Base Model I taDock Base M	3547001 3547002 3547002 3547005 66G352 39H7402 66G361 76H0111 39H741: 85G195 45H8780 00K7902 92G734	1 1 1 1 1 1 2 3 0 9 1 8 9 3 1 6 6 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1.2 GB (1.96"+ moderal control of the control of	DE 12.5 mm dels) 17 mm dels) 17 mm dels) 17 mm dels) 17 mm dels) 17 mm dels) 17 mm dels) 17 mm dels) 18 mouse click ery exchange safe suspend, grace and startup anty Service encom) sulper erranty/service	69H8412 69H8414 45H8789 00K7902 LS and on		

# **亞州 ThinkPad 760ED (SVGA) - withdrawn**

IBM® ThinkPad®:	× 760ED			ThinkPad 760ED strengths over 760CD:	
	12.1" SVGA TFT- 4 x CD-F	ROM - Enha	anced Video - MPEG	→ Pentium 133/66 MHz (vs 120/60 MHz)	
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	None 256 KB / write-back / direc 3.5" 1.44 MB O / use in Uli External FDD port (requirec 5.25" CD-ROM O / 4 x sp	t mapped / traBay or a s External f <b>eed /</b> multi	it to L2 cache / 64 bit to memory  10 ns / synchronous pipelined burst ttach externally via rear ext FDD port FDD Attachment Kit 66G3618) -session / XA / play with eject button Bay which supports several devices	<ul> <li>⇒ PCI bus (vs VL-Bus)</li> <li>⇒ 16 MB EDO memory (vs 8 MB fast page)</li> <li>⇒ 64 bit path to memory (vs 32 bit)</li> <li>⇒ 9385 64 bit graphics with 2 MB EDO</li> <li>⇒ CardBus PC Card support (32 bit PCI)</li> </ul>	
Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U3A Windows 95 1.2 GB / 12 ms O / DMA M Enhanced IDE / busmaster May 1996 / January 1997		Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function  ② Fax modem function		
Display - size and type Display - techology	12.1 inch SVGA color / 640 Black Matrix TFT - active		300 x 600 / 262,166 simultaneous colors 00 to 1 contrast ratio	3 Audio function	
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	PCI 2.1 / 32 bit / <b>DCI, Direc</b> Simultaneous LCD and CR External SVGA to 1280 x 1	t <b>Draw, En</b> T / 180 dec 024 w/ 256	gree tilt 6 colors or 1024 x 768 w/ 65,536 colors	- Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support / text to speech - MPEG audio decode	
Memory - std / max Memory - upgrade	volt / EDO 2 sockets for two JEDEC 1	144 pin ED	d Proven option) 70 ns / non-parity / 3.3v O SO DIMMs of 8, 16, 32 MB The left bay (UltraBay**) supports:	Telephone function Full telephone (can use opt headset) Telephone answering machine Full duplex speakerphone	
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 Fr Automated tilt up keyboa TrackPoint III™ / integrated Yes (with option cable)	rd (5.5 dec	Jrees)  ① 2nd disk; ② 2nd battery  ③ std diskette drive; ④ CD-ROM  ⑤ 2.88 MB diskette (option)  ⑥ PCMCIA Cartridge (option)	© Digital Simultaneou's Voice Data WINDOWS 95 PRELOAD	
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 2.14" (208 cub	ic inches)	IBM Wireless Modem ARDIS (option)     IBM Wireless Modem for Cellular/ CDPD (option)	Microsoft Windows 95     Online User's Guide     ThinkPad Features	
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent opi 2.8 hours Nil 5.6 hours 2 to 3 hrs / 1.5 to 2.5 hrs	tional MH	- TriffikPad Peatures - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host; 2. PRODIGY®		
Architecture  Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	ISA (audio, diskette, serial PCI 2.1 / 32 bit / 33 Mhz (E Dock I and II / <b>SelectaDoc</b> Port Replicator I and II / <b>Se</b> 22 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE APM-aware BIOS / Slim AC	3. SofNet FaxWorks™ Voice™ 4. Puma TranXit™ 5. Compuserv for Windows 6. NetFinity for Windows 95 7. Asymetrix® Digital Video Producer™ 8. MPEG Sampler (CD-ROM) - Lotus SmartSuite 96 CD-ROM			
Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports	Composite and S-Video MPEG-1 & MPEG-2 Half H Mwave MDSP2780 DSP w Data/fax modem function 16 bit audio chip on plana Int stereo speakers / .5 wa Input jack (3.5 mm) / Output Telephone / answering ma	in/out / gai orizontal F vith moden via DSP ( ar with Mw att / slide v t jack (3.5 n achine / full	me port Resolution (HHR) decoder (MPEGCD1) n, fax, audio, telephony function v.34 to 28.8 Kbps) / Mwave 2.1	Easy-Setup is entered by holding F1 when turning on.  ThinkPad 760ED supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522	
Security	Power-on password / Hard device keyhole (Kensington	disk passv n™ cable l	word / Supervisor password / Locking ock) / Security latch for keyboard and ard lock / Personalization / Security Plate	- Car Battery Adapter 49G2167 ThinkPad 760E supported disks:	
Preinstalled software Warranty	Windows 95 with applicatio	ns (listed o		- (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313	
for video capture (ca	d in 760ED provides: S-Video in (NTSC or PAL) apture and digitize video still image capture (capture	- Secor	ble in ThinkPad 760ED family:  d HDD Adapter 29H9333 I (1 slot / 1 bay) 3545001 II (2 slot / 2 bay) 3546001	- 1.08 GB HDD II EIDE 12.5mm 29H9319 - 1.08 GB HDD II EIDE 12.5mm 29H9319 - 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" or higher models) 69H8414	
- Composite out and (connect to video o or record on VCR th - Mini game port for - Includes video in an (includes one video - Use software called - Hardware acceleral Windows TM former chip (as in 755CD a integrated into the 9 interpolation in X and conversion when DC Plays back MPEG movies, video CDs	ut port; NTSC or PAL); le screen of ThinkPad. MIDI or joystick d video out ports in/out cable) Digital Video Producer™ lition of 'Video for y done by a separate ASCII nd 760CD) has now been 385 graphics controller; d Y axis; color space CI enabled  motion videos, CD-I s, and Karaoke MPEG x 480, 800 x 600, or	- Selec - Selec - Port R - Selec - 2.88 N - PCMC - FDD E - 35 wa - 4 x CI - 6 x CI - 8 MBS - 16 MB	onversion Card (for Dock I/II) 46H5994 taDock I 3547001 taDock II 547001 teplicator I (w/ PCMCIA slots) 66G3510 teplicator II 66G3520 taDock Base Model I 39H7405 MB diskette drive 66G0108 CIA Cartridge (one Type III) 66G3618 tt AC Adapter (slim, 4 pin) 76H0119 D-ROM (UltraBay) 39H7413 D-ROM (UltraBay) 85G1957 SO DIMM 3.3v NP EDO 64 bit 92G7340 te SO DIMM 3.3v NP EDO 64 bit 92G7342	FEATURES OF 760 MODELS  Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)	

IBM® ThinkPad®:	<b>≈ 760ED</b>		Think Dod 700ED attendable account 2000			
IBM® I ninkPad®:		OM - Enhanced Video - MPEG	ThinkPad 760ED strengths over 760CD:  Pentium 133/66 MHz (vs 120/60 MHz)			
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	None 256 KB / write-back / dired 3.5" 1.44 MB ○ / use in UI External FDD port (include 5.25" CD-ROM ○ / 6 x sp	SLM) / 64 bit to L2 cache / 64 bit to memory of mapped / 10 ns / synchronous pipelined burst traBay or attach externally via rear ext FDD port se Floppy Disk Drive Enclosure) need / multi-session / XA / play with eject button Pl) / in UltraBay which supports several devices	<ul> <li>PCI bus (vs VL-Bus)</li> <li>16 MB EDO memory (vs 8 MB fast page)</li> <li>64 bit path to memory (vs 32 bit)</li> <li>9385 64 bit graphics with 2 MB EDO</li> <li>CardBus PC Card support (32 bit PCI)</li> </ul>			
Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date		r / PCI 2.1 / supports two internal disks for 4.2 GB	Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function			
Display - techology Graphics - controller	Black Matrix TFT - active  Trident™ CYBER9385 / 64  PCI 2.1 / 32 bit / DCI, Direction of CFI Simultaneous LCD and CFI Si		- G3 fax send/receive (14.4 Kbps) <b>Audio function</b> - Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support / text to speech - MPEG audio decode			
Memory - std / max Memory - upgrade Keyboard / # of keys		ThinkPad Proven option) 70 ns/non-parity/3.3v/EDO 144 pin EDO SO DIMMs of 8, 16, 32 MB n key functions)  The left bay (UltraBay™) supports:	Telephone function Full telephone (can use opt headset) Telephone answering machine			
Keyboard slope Pointing / palm rest	Automated tilt up keyboa TrackPoint III™/integrate Yes (with option cable)	ard (5.5 degrees) ① 2nd disk; ② 2nd battery	Full duplex speakerphone     Digital Simultaneous Voice Data  WINDOWS OF DRELOAD.			
Dimensions Weight (with CD-ROM	11.7 x 8.3 x 2.0" (194 cubic ) 6.65 pounds (3.02 kg)	© IBM Wireless Modem ARDIS (option)  ® IBM Wireless Modem for Cellular/ CDPD (option)	windows 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide			
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent op 2.2 hours Ni 4.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs	Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery	- ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. SofNet FaxWorks™ Voice™ 3. Puma TranXit™ 4. Compuserv for Windows 5. NetFinity for Windows 95 6. Asymetrix® Digital Video Producer™ 7. MPEG Sampler (CD-ROM) - Lotus SmartSuite 96 CD-ROM			
Architecture  Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	PCI 2.1/32 bit/33 Mhz (I Dock I and II/ <b>SelctaDoc</b> l Port Replicator I and II/ <b>S</b> s 2 Type I or 2 Type II or 1 T One 9 pin; 16550A/one (II					
Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports Security	Mwave MDSP2780 DSP v Data/fax modem function 16 bit audio chip on plan Int stereo speakers / .5 w Input jack (3.5 mm) / Outpu Telephone / answering ma Infrared ports (front and	lorizontal Resolution (HHR) decoder (MPEGCD1) vith modem, fax, audio, telephony function n via DSP (v.34 to 33.6 Kbps) / Mwave 2.1	Easy-Setup is entered by holding F1 when turning on.  ThinkPad 760ED supported batteries:  - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167			
Preinstalled software	Security keyhole (requires	cable) / Security latch for keyboard and PC Card lock / Personalization / Security Plate	ThinkPad 760ED supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383			
Warranty			- 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319			
for video capture (ca from a TV or VCR),	S-Video in (NTSC or PAL) apture and digitize video still image capture (capture	Compatible in ThinkPad 760ED family:  - Second HDD Adapter 29H9333  - Dock I (1 slot / 1 bay) 3545001  - Dock II (2 slot / 2 bay) 3546001  - IDE Conversion Card (for Dock I/II) 46H5994	- 1.08 GB HDD II EIDE 12.5mm 29H9319 - 1.2 GB (1.96"+models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902			
- Composite out and (connect to video o or record on VCR th - Mini game port for Includes video in an (includes one video - Use software called - Hardware accelered Windows TM former of this (as in 755CD a integrated into the 9 interpolation in X are conversion when DOC-Plays back MPEG	ut port; NTSC or PAL); le screen of ThinkPad. MIDI or joystick di video out ports in/out cable) Digital Video Producer™ lition of 'Video for y done by a separate ASCII nd 760CD) has now been 385 graphics controller; id Y axis; color space	- SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 45H8786 - 8 - 20 x CD-ROM (UltraBay) 45H8786 - 8 - 20 x CD-ROM (UltraBay) 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7341	FEATURES OF 760 MODELS  Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>≍ 760XL</b> 12.1" SVGA TFT - thick					
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	None 256 KB / write-back / direct 3.5" 1.44 MB ○ / use in U External FDD port (require	t mapped / 10 ns / synchronous pipelined burst lltraBay or attach externally via rear ext FDD port es FDD External Attachment Kit 66G3618)  x, 6 x, 8 x, or 8-20 x CD-ROM into UltraBay	WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide  - ThinkPad Features  - Diskette Factory  1. Lotus Organizer			
Type - model (code) Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller	9547-U9C (Michigan MM Windows 95 OSR2 April 1997 / January 1998 2.1 GB / 13 ms O / DMA EIDE / busmaster / PCI 2	Windows NT Workstation 4.0 April 1997 / January 1998	CompuServ for Windows     Puma TranXit™     NetFinity for Windows 95     Triton CoSession™ Host     IntelliLink Connect			
Display - size and type Display - techology		640 x 480, 800 x 600 / 65,536 simultaneous colors e matrix / 100 to 1 contrast ratio	7. IBM AntiVirus 8. IBM Internet Connection Services with			
Graphics - controller		bit SVGA accelerator / 1 MB EDO DRAM / 70 ns ctDraw, EnDIVE support RT / 180 degree tilt	Netscape Navigator web browser  9. Registration Mailer  - Lotus SmartSuite 96 CD-ROM  - Recovery CD-ROM with boot diskette  - Windows 95 CD-ROM (no installation)			
Memory - std / max Memory - sockets avail Memory - features	70 ns / non-parity / 3.3 vol 8 MB in system; 8 MB on r Memory module under dis	32 MB / 104 MB 1 socket available (1 socket uses 16 MB) t / EDO / supports JEDEC 144 pin SO-DIMMs nemory module with 2 SO-DIMM sockets k (not removable) and accessible by opening keyboard 8 MB on memory module is disabled via switch	WINDOWS NT 4.0 PRELOAD  Microsoft Windows NT 4.0 Workstation with utilities and device drivers			
Keyboard / # of keys Keyboard slope Pointing / palm rest Dimensions	Full size alp/num / 85 (8 F Automated tilt up keybo TrackPoint III™ / integrate 11.7 x 8.3 x 2.14" (208)					
Weight	6.7 pounds (3.05 kg)					
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion / intelligent 2.3 hours (4.6 hours with 2 2 to 3 hrs / 1.5 to 2.5 hrs	(optional NiMH battery supported) 2 batteries)				
	PCI 2.1 / 32 bit / 33 MHz Intel Mobile Triton 82430l Dock I and II / <b>SelectaDo</b> Port Replicator I and II / <b>S</b> Type I or 2 Type II or 1 T	selectaDock Base Model I Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible				
Serial / parallel ports Other features		EEE P1284-A, EPP, ECP, bidirectional) C Adapter 2 prong (35 watts) / Selectable boot	ThinkPad 760XL supported batteries:			
Video in/out MPEG decoder DSP function Data/fax modem	None None None None	Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options	- 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167			
Audio support  Jacks Telephone Infrared ports	Int stereo speakers / .5 wa Input jack (3.5 mm) / outpu None	ce MIDI FM synthesis / ESS1688 att / slide volume control / internal microphone at jack (3.5 mm)	ThinkPad 760 supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313			
Security	Power-on password / Hardevice keyhole (Kensington DIMMS (requires Kensing	d disk password / Supervisor password / Locking on™ cable lock) / Security latch for keyboard and ton) / PC Card lock / Personalization / Security Plate	- 1.08 GB HDD II EIDE12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414			
Warranty	3 year - ThinkPad EasySe	erv (depot repair service) or carry-in	- 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902			
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ Standard diskette d ④ 2.88 MB diskette dr	Second HDD Adapter) rive	OPTIONS  - Second HDD Adapter 29H9333  - Dock I (1 slot / 1 bay) 3545001  - Dock II (2 slot / 2 bay) 3546001	-5.1 GB (1.90 + models) 17 mm			
© CD-ROM	k capacity on 760XL is GB disks d by holding F1 when e 2 or PIO Mode 4 e 2 or PIO Mode 3 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4	- IDE Conversion Card (for Dock II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette 66G0108 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 92G7340 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268	Cuick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

### IIM ThinkPad 760XD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	⊁ 760XD	
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory None 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (includes Floppy Disk Drive Enclosure) 5.25" CD-ROM O / 8 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices	
Type - model (code) Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9E (Michigan MMX) Windows 95 OSR2 3.0 GB / 12 ms O / DMA Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB) Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks for 10.2 GB April 1997 / January 1998	
Display - size and type Display - techology	e 12.1 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio	
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident™ CYBER9385 / 64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors	
Memory - std / max Memory - upgrade Mem - implementation	32 MB / 104 MB 70 ns / non-parity / 3.3v / EDO 1 socket avail for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB 8 MB in system; 8 MB on memory module; 16 MB DIMM in 1 socket; 1 socket avail Memory module under disk (not removable) and accessible by opening the keyboard	Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 Fn key functions)  Automated tilt up keyboard (5.5 degrees)  TrackPoint III™ / integrated palm rest Yes (with option cable)  The left bay (UltraBay™) supports:  ① 2nd disk; ② 2nd battery ③ std diskette drive; ④ std CD-ROM ⑤ 2.88 MB diskette	<ul> <li>Fax modem function         <ul> <li>G3 fax send/receive (14.4 Kbps)</li> </ul> </li> <li>Audio function         <ul> <li>Stereo waveform record and playback</li> </ul> </li> </ul>
Dimensions/weight	11.7 x 8.3 x 2.0" (194 cubic inches) / 7.0 pounds (3.18 kg) with CD-ROM	- Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion / intelligent optional 2.0 hours (4 hrs with 2 batt) NiMH and remove CD-ROM, diskette drive, 2 to 3 hrs / 1.5 to 2.5 hrs Lithium Ion / intelligent optional NiMH and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery	- SoundBlaster support / text to speech - MPEG audio decode   Telephone function
Architecture  Port replicator Docking Station	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion) Intel Mobile Triton 82430MX PCIset / TI PCI1130 for CardBus Port Replicator I and II / SelectaDock Base Model I Dock I and II / SelectaDock I and II and III	- Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone  S Digital Simultaneous Voice Data
	s 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot	Easy-Setup is entered by holding F1 when turning on.
Video in/out MPEG decoder DSP function Data/fax modem Audio support	Composite and S-Video in/out / game port MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1) Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (.34 to 33.6 Kbps) / Mwave 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone	ThinkPad 760XD supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167
Telephone Infrared ports	D Input jack (3.5 mm) / Dutput jack (3.5 mm) / Joystick/MtDI port (includes cable) Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs	ThinkPat 760 supported disks: e - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate	- 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414
Borra C	n i : sD eX d0 6 <b>OPTIONS</b> r p - Second HDD Adapter 29H9333	- 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902
	Dock   (1 slot / 1 bav) 3545001	FEATURES OF 760 MODELS

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- -	r	a	С	n	i	:	S		Doc Doc IDE Sele Sele Port Port Sele 2.88 FDE 35 v	ectaDectaDectaDectaDectaDectaDectaDectaD	slot 2 slot 2 slot version ock Dock Dock licate diskernal AC Ac	Ada / 1 / 2 on ( I III III Ba ette Att	apte bay bay Card (w/ I se N driv achi	) d (for CM lode e ment slim,	Doc CIA	p k I/II) slots)	<b>3547001</b> <b>3547002</b> <b>3547003</b> 66G3510 66G3520 <b>39H7405</b> 66G0108 66G3618 76H0119	
								-	Port	Rep	licato	or II	`				66G3520	
								-	Port	Rep	licato	or II	`			0.010)		
															el I			
								-	FDE	) Exte	ernal	Att	ach	ment	Kit		66G3618	
								-	35 v	vatt A	C Ac	dab	ter (	slim,	4 pii	n)	76H0119	
								-	4 x (	CD-R	ROM	(Úl1	traB	ay)	•	,	39H7413	
								-	6 x	CD-R	ROM	(Ult	traB	ay)			85G1957	
								-	8 x (	CD-R	ROM	(Ult	traB	ay)			45H8786	
										x CI							00K7903	
								-	8 MI	B SO	DIMI	VI 3.	۱v٤.	NP Eİ	<b>DO</b> 6	4 bit	92G7340	
								-	16 N	IB SC	O DIN	MI:	3.3v	NP E	EDO	64 bit	92G7341	
								-	32 N	IB SC	O DIN	IM:	3.3v	NP E	EDO	64 bit	92G7342	
								-	64 N	IB SC	O DIN	MI:	3.3v	NP E	EDO	64 bit	76H0268	
								-	Oth	er op	tions	fro	m Tl	ninkF	Pad F	Prove	n partners	

#### **FEATURES OF 760 MODELS**

Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a
Discharge battery via mouse click
Non-disruptive battery exchange
Standby, suspend, safe suspend, and
hibernation modes hibernation modes
US EPA Energy Star compliant
Personalized nameplate in indention
Personalization screen at startup
International Warranty Service
IBM SystemXtra Program
24 hour / 7 day telephone, bulletin
board, fax, electronic, and Internet
(http://www.pc.ibm.com) support
IBM and dealer warranty/service
Online Housecall (remote diagnostic

Online Housecall (remote diagnostics)

IBM® ThinkPad®:	<b>765L</b> 13.3" XGA TFT					
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	None 256 KB / write-back / dir 3.5" 1.44 MB ○ / use in External FDD port (requ	ect mapped / 10 ns / synchronous pipelined burst UltraBay or attach externally via rear ext FDD port uires FDD External Attachment Kit 66G3618) 4 x or 6 x or 8 x CD-ROM into UltraBay	WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide  - ThinkPad Features  - Diskette Factory  1. Lotus Organizer			
Type - model (code) Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller	EIDE / busmaster / PCI	A Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB) I 2.1 / supports two internal disks / SMART	CompuServ for Windows     Puma TranXit™     NetFinity for Windows 95     Triton CoSession™ Host     IntelliLink Connect			
Display - size and type Display - techology		440 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors ive matrix / 100 to 1 contrast ratio	7. IBM AntiVirus 8. IBM Internet Connection Services with			
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	PCI 2.1 / 32 bit / DCI, Di Simultaneous LCD and	64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns rectDraw, EnDIVE support CRT / 180 degree tilt x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors	Netscape Navigator web browser  9. Registration Mailer  10. ThinkPad on the NET  11. America Online  - Lotus SmartSuite 96 CD-ROM			
Memory - std / max Memory - sockets avail Memory - features	8 MB in system; 8 MB or Memory module under or	cket uses 16 MB)  volt / EDO / supports JEDEC 144 pin SO-DIMMs  n memory module with 2 SO-DIMM sockets  disk (not removable) and accessible by opening keyboard  he 8 MB on memory module is disabled via switch	Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)			
Keyboard / # of keys Keyboard slope Pointing / palm rest		ooard (5.5 degreeś) ated palm rest / ext keyboard support (with option cable)				
Dimensions Weight	11.7 x 9.3 x 2.23" (243 o 7.4 pounds (3.34 kg)	cubic inches)				
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion / intelligent 2.1 hours (4.2 hours wit 2 to 3 hrs / 1.5 to 2.5 hrs					
Architecture  Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	PCI 2.1/32 bit/33 MH Intel Mobile Triton 8243 SelectaDock I and II a Port Replicator I and II 2 Type I or 2 Type II or 1 One 9 pin; 16550A/one	rial, parallel, infrared, ext expansion) Iz (EIDE, graphics, CardBus, ext expansion) BOMX PCIset / TI PCI1130 for CardBus III I SelectaDock Base Model I I Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible In It (IEEE P1284-A, EPP, ECP, bidirectional) Adapter 4 pin 3 prong (56 watts) / Selectable boot	ThinkPad 765L supported batteries:			
Video in/out MPEG decoder DSP function Data/fax modem Audio support		Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options roice MIDI FM synthesis / ESS1688 watt / slide volume control / internal microphone rout iack (3.5 mm)	- 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167 ThinkPad 760 supported disks: - (360/750/755 IDE disks not supported)			
Telephone Infrared ports	None	nd back) / IrDA 1.0 compatible / up to 115 kbs	- 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313			
Security	Power-on password / H device keyhole (Kensin	ard disk password / Supervisor password / Locking gton™ cable lock) / Security latch for keyboard and ngton) / PC Card lock / Personalization / Security Plate	- 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414			
Warranty Service options	3 year - ThinkPad Easy On-site, M-F, 8-5, next	Serv (depot repair service) or carry-in bus day (71 cities) / Warranty extension to 5 years	- 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902			
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ Standard diskette d ④ 2.88 MB diskette d ⑤ CD-ROM  Maximum internal disl 10.2 GB with two 5.1 G Easy-Setup is entered turning on.  810 MB = DMA Mode 1.08 GB = DMA Mode 1.2 GB = DMA Mode 1.35 GB = DMA Mode 2.1 GB = DMA Mode 3.0 GB = DMA Mode 5.1 GB = Ultra DMA	rive rive capacity on 765L is GB disks by holding F1 when be 2 or PIO Mode 4 e 2 or PIO Mode 3 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4 e 2 or PIO Mode 4	- Second HDD Adapter - IDE Conversion Card (for Dock II) - SelectaDock I - SelectaDock II - SelectaDock III - SelectaDock III - SelectaDock III - Port Replicator I (w/ PCMCIA slots) - Port Replicator II - SelectaDock Base Model I - SelectaDock Base Model I - SelectaDock Base Model I - 2.88 MB diskette - FDD External Attachment Kit - 56 watt AC Adapter (4 pin; 3 prong) - 6 x CD-ROM (UltraBay) - 8 x CD-ROM (UltraBay) - 8 x CD-ROM (UltraBay) - 8 X CD-ROM (UltraBay) - 8 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - PCMCIA 33.6 Kbps modem w/ XJACK 55H6759 - 56K PC Card Modem Kit - VM-MS47002 - SelectaDock III - 32 MB SO DIMM 3.3v NP EDO 64 bit - PCMCIA 33.6 Kbps modem w/ XJACK 55H6759 - 56K PC Card Modem Kit	FEATURES OF 765 MODELS  Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service IBM System Care Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

IBM® ThinkPad®:	765D					WINDOWS 95 PRELOAD		
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	13.3" XGA TFT - 8 x CD-Re Pentium® MMX 166/66 MI None 256 KB / write-back / direc 3.5" 1.44 MB O / use in Ulf External FDD port (include: 5.25" CD-ROM O / 8 x sp EIDE / PIO Mode 3 (ATAP)	t mapped raBay or a s Floppy D	M) / 64 bit to L2 / 10 ns / synchr attach externally isk Drive Enclos i-session / XA /	2 cache / 64 onous pipeli y via rear ext sure) play with eje	ned burst FDD port	- Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program - Diskette Factory Utilities 1. Lotus Organizer 2. CompuServ for Windows 3. Puma TranXit™ 4. NetFinity for Windows 95		
Type - model (code) Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9H Windows 95 OSR2 3.0 GB / 12 ms O / DMA M Enhanced IDE / busmaster June 1997 / July 1997	ode 2 or F	IO Mode 4 / SM / supports two ir C: is 1.99 GB, D	for 10.2 GB	5. Triton CoSession™ Host 6. SofNet FaxWorks™ Voice 7. Asymetrix® Digital Video Producer 8. IntelliLink Connect 9. IBM Antornat Connection Somioco with			
Display - size and type Display - techology	13.3 inch XGA color / 640 Black Matrix TFT - active	x 480, 800 matrix / 1	x <b>600 or 1024 x</b> 00 to 1 contrast	: <b>768 / 65,536</b> ratio	siml colors	Netscape Navigator web browser 11. Registration Mailer		
Graphics - controller	Trident™ CYBER9385 / 64 PCI 2.1 / 32 bit / DCI, Direc Simultaneous LCD and CR External SVGA to 1280 x 1	tDraw, En T / 180 de 024 w/ 25	DIVE support gree tilt 6 colors or 1024			<ul><li>12. ThinkPad on the NET</li><li>13. America Online</li><li>MPEG Sampler CD-ROM</li><li>Lotus SmartSuite 96 CD-ROM</li></ul>		
Memory - std / max Memory - upgrade Mem - implementation	32 MB / 104 MB 70 ns / 1 socket avail for one JED 8 MB in system; 8 MB on m Memory module under disk (	EC 1'44 pí emory mod	n EDO SO-DIM lule; 16 MB DIMN	/I in 1 socket;	1 socket avail	- Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)  Integrated Mwave DSP provides:		
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 Fr Automated tilt up keyboa TrackPoint III™ / integrated Yes (with option cable)	key funct	tions) The left grees) ① 2nd d 3 std di	bav (UltraBav	, ,	① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps)		
Dimensions / weight	11.7 x 9.3 x 2.23" (243 cub	c inches)	7.7 pounds (3.4	49 kg) with C	D-ROM	<ul> <li>3 Audio function</li> <li>Stereo waveform record and playback</li> </ul>		
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion / intelligent 2.0 hours (4 hrs with 2 batt) 2 to 3 hrs / 1.5 to 2.5 hrs	optional NiMH	Liftable (pop and remove ( 1st/2nd disk,	CD-ROM, dis	skette drive,	Qsound support (3-D effect)     32 voice MIDI wave table synthesizer     SoundBlaster support / text to speech		
Architecture  Port replicator Docking Station PC Card Standard slots Serial / parallel ports	ISA (audio, diskette, serial PCI 2.1 / 32 bit / 33 Mhz (E Intel Mobile Triton 82430M Port Replicator I and II / Se SelectaDock I and II and 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE	IDE, grap X PCIset IlectaDoc III pe III / Ca EEE P128	hics, CardBus, /TI PCI1130 for k Base Model I rdBus 32 bit PC 4-A, EPP, ECP,	MPEG, ext of CardBus  I / PCMCIA 2. bidirectional	.1 compatible	- MPEG audio decode  Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone  Digital Simultaneous Voice Data		
Other features Video in/out MPEG decoder	APM-aware BIOS / AC Ada Composite and S-Video i MPEG-1 & MPEG-2 Half H	n/out / ga	me port	,		Easy-Setup is entered by holding F1 when turning on.		
DSP function Data/fax modem Audio support Jacks Telephone	Mwave MDSP2780 DSP w Data/fax modem function 16 bit audio chip on plana Int stereo speakers / .5 wa Input jack (3.5 mm) / Output Telephone / answering ma	ith mode via DSP ar with Mu att / slide jack (3.5) chine / ful	m, fax, audio, te (v.34 to 33.6 Kbp vave DSP volume control mm) / Joystick/M I duplex speake	eléphony fur os) / Mwave 2 / internal m IIDI port (incl rphone / DS)	icrophone udes cable)	ThinkPad 765D supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-lon Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167  ThinkPad 765 supported disks:		
Infrared ports Security	Infrared ports (front and I Power-on password / Hard device keyhole (Kensingto DIMMS (requires Kensingto	disk pass n™ cable	word / Superviso	or password latch for keyb	/ Locking board and	- 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325		
Warranty Service Options	3 year - ThinkPad EasySer On-site, M-F, 8-5, next bus				5 years	1.2 GB (1.96"+ models)		
for video capture (ca from a TV or VCR), and digitize still phot - <b>Composite out</b> and (connect to video or	S-Video in (NTSC or PAL) apture and digitize video still image capture (capture to images), and overlay. I S-Video out to TV ut port; NTSC or PAL); e screen of ThinkPad. MIDI or joystick	- IDE Cor - Selectal - Selectal - Selectal - Port Rep - Port Rep - Selectal - 2.88 MB	Dock II Dock III blicator I (w/ PCM	CIA slots)	29H9333 46H5994 <b>3547001</b> <b>3547002</b> <b>3547003</b> 66G3510 66G3520 <b>39H7405</b> 66G0108 66G3618 12J2456	- 5.1 GB (1.96"+ models) 17 mm 00K7902  FEATURES OF 765 MODELS  Quick Setup Guide (single page)  LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes		

Includes video in and video out ports (includes one video in/out cable)

Use software called Digital Video Producer™

Hardware acceleration of 'Video for

Windows¹™ formerly done by a separate ASCII chip (as in 755CD and 760CD) has now been integrated into the 9385 graphics controller; interpolation in X and Y axis; color space

- 56 watt AC Adapter (4 pin; 3 prong)

- 4 x CD-ROM (UltraBay)

- 8 x CD-ROM (UltraBay)

- 8 x CD-ROM (UltraBay)

- 8 MB SO DIMM 3.3 v NP EDO 64 bit integrated into the 9385 graphics controller; interpolation in X and Y axis; color space

interpolation in X and Y axis; color space conversion

- 16 MB SO DIMM NP EDO 64 b
- 32 MB SO DIMM 3.3v NP EDO
- 64 MB SO DIMM 3.3v NP EDO
- 64 MB SO DIMM 3.3v NP EDO

movies, video CD's, and Karaoke MPEG video titles

- 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM NP EDO 64 bit (new) 01K1124 - 32 MB SO DIMM 3.3v NP EDO 64 bit - 64 MB SO DIMM 3.3v NP EDO 64 bit - PCMCIA 33.6 Kbps modem XJACK - 56K PC Card Modem Kit 04K0052

39H7413

85G1957

45H8786

00K7903

92G7340

Culick Setup Guide (single page)
LCD indicator panel
Plug and Play 1.0a
Discharge battery via mouse click
Non-disruptive battery exchange
Standby, suspend, safe suspend, and
hibernation modes
US EPA Energy Star compliant
Personalized nameplate in indention
Personalization screen at startup
International Warranty Service
IBM System Care Program
24 hour / 7 day telephone, bulletin
board, fax, electronic, and Internet
(http://www.pc.ibm.com) support
IBM and dealer warranty/service
Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3\_business day average turnaround).

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IBM® ThinkPad®:						WINDOWS 95 PRELOAD <sup>16</sup>
Processor type/path Processor features L2 cache Diskette (removable External FDD port CD-ROM (removble)	No upgrade / pro 512KB / write-ba 3.5" 1.44MB / in External diskette	ocessor, L2 cach ack / direct mappencased enclose port (use std ca D-ROM / 20X-8X PIO Mode 4 for V DM drive / 8 x to	- Microsoft® Windows® 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Configuration Program - Diskette Factory Utilities 1. Puma TranXit; 2. IBM AntiVirus 3. Asymetrix Digital Video Producer (1AU 4. RingZero Ring Central (1AU only) 5. Intelliquest Registration Mailer			
Type - model Processor Display (diagonal) Disk (removable) Preload (see side) DVD and Enh Vid Ad Modem Avail/withdrawn date	200/66MHz 13.3" XGA 3.2GB <sup>4</sup> / PIO4 W95 OSR2 d Optional Opt PC Card	9548-30U 233/66MHz 13.3" XGA 4GB / PIO4 W95 OSR2 Optional Opt PC Card eptember 1998	9548-31U 233/66MHz 13.3" XGA 4GB / DMA33 NT 4.0 SP3 Optional Opt PC Card	9549-1AU 233/66MHz 14.1" XGA 5.1GB / PIO4 W95 OSR2 Standard 33.6Kbps (upg)	AP) 7. Artisoft ConfigSafe 8. IBM Internet Connection services with Netscape Navigator web browser 9. Intel® LANDesk® Client Manager 10. Intel Video Phone (receive) (1AU only 11. ThinkPad PointCast 12. NetMeeting™2.0 13. Ergonomics; 14.ThinkPad on the NET	
Memory - std / max Memory - upgrade	2 sockets availal	ble for ṫwo JEDE	EC 144 pin EDO	33 or 100MHz 0 or SDRAM SO-D n mix SDRAM w/70		15. NetFinity for Windows 95 - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation) - Internet Explorer 4.0 CD-ROM
Display - size (colors Display - techology					36 siml colors	s) WINDOWS NT 4.0 PRELOAD
Graphics - controller Graphics - arch Graphics - features Graphics - external	Trident™ CYBE PCI 2.1 / Direct3 3D hardware ac	R9397 / 64-bit S D, DirectDraw, I celerator / inter	VGA accelerato DirectVideo, Acti polation in X and		ZV interface ace conversion	- Windows NT® Workstation (FAT16) - Advanced NT extensions: - Power management - UltraBay Plug and Play
Disk (removable) Disk controller	Enhanced IDE / b	busmaster / PCI	2.1 / 430TX Sou	screw, security too uth Bridge / PIIX4 / DMA/33, or PIO N	supports two	- 3D graphics (OpenGL)
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num Flat keyboard (do <b>TrackPoint</b> ® / Pr center click butto	oes not lift up) / r ess-to-Select / F	- Video capture - Online User's Guide - ThinkPad Configuration Program 1. IBM AntiVirus 2. IBM Internet Connection services with			
Dimensions Weight <sup>2</sup>	1AU: 12.3 x 10 x Others: 12.3 x 9.		Netscape Navigator web browser			
Battery - type Battery - life (1 batt) Charge time - on / of	Lithium Ion / intel 1AU: 3.5 hrs (7 h	ligent / left side hrs with second	batt) The right bay (UltraBay™ II) has LED on release latch to provide status; it supports			
Architecture  Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	ISA (audio, mode PCI 2.1 / 32-bit / Intel 430TX PCI SelectaBase 77 SelectaDock III 2 Type I, 2 Type I One USB / one 9 APM-aware BIOS	33Mhz (EIDE, c Iset / TI PCI125 0 / PC Card Ena / SelectaDock   e II, or 1 Type pin serial; 1655	© optional 2nd battery; © optional ThinkPad Proven™ VST Zip™ 100 drive;  //ideo al)  Soptional 2nd battery; © optional ThinkPad Proven™ VST Zip™ 100 drive;  Easy-Setup is entered by holding F1 when turning on.			
Video in/out MPEG decoder Data/fax modem	1AU or option: V 1AU or option: N 1AU: 33.6Kbps ( integrated	ideo in/out (com MPEG-2 / IBM MI (56Kbps upgrad Mwave® 3780i I	posite and S-Vic PEGCD1M / 2ME eable via x2 <sup>8</sup> ) / 1 DSP / internation	leo) / SAA7111A N 3 SDRAM; 100MH 4.4Kbps fax / telen al programmable	NTSC/PAL z ohony / DAA	ThinkPad 770 supported disks:  - 3.2GB 13ms read/14ms write 17 mm PIO Mode 4 or DMA Mode 2
Audio support  Jacks Infrared ports	Int stereo speake Input jack (3.5 mr	ers (front) <b>/ 1 wa</b> t m) / Output jack (	<b>tt /</b> rotary volume (3.5 mm) / full du <sub>l</sub>	/ software decode e control (right) / in plex ole / up to 4Mbps	t microphone	-4.0GB 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33 -5.1 and 8.1GB 12ms read/13ms write
Security				rvisor password / r battery and Ultra		ole / 17 mm PIO Mode 4 or Ultra DMA/33 - All 760 supported disks (requires opt adaptr)
Limited warranty <sup>11</sup> Service options <sup>15</sup>				e) or carry-in / intent nty extension to 5		FEATURES OF 770 MODELS Wired for Management 1.1a
<ul> <li>DVD and Enhanced Video Adapter provides (standard in 1AU; optional all others):</li> <li>MPEG-1, MPEG-2 HHR, and full MPEG-2 hardware decoder (audio decoded via software)</li> <li>DVD movie playback (MPEG-2 decoding; decryption and audio decoding via software)</li> <li>Video in (composite and SVHS) (NTSC or PAL) for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay</li> <li>Video out (composite and SVHS) to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad</li> <li>Dolby® Digital AC-36 (outputs undecoded Dolby Digital signal from AC-3 connector; CSA8404A);</li> <li>5.1GB disk, 12ms, Ultra DMA/ 2nd Disk Adapter (for 760/770 or SelectaBase 770</li> <li>SelectaBase 770</li> <li>SelectaDock III¹8</li> <li>SelectaDock III¹8</li> <li>SelectaBase PC Card Enable 760 UltraBay Tray for SD III</li> <li>56 watt AC Adapter (barrel; 3 provided Polby 10 provided Adapter (barrel) 3 provided</li></ul>					/33 02K05 disks) 11J88 83H67 35470 35470 er 83H67 11J88 prong) 83H67 Bay II) 02K05 ay II) 11J89 76H02	DMI 1.1 compliant DMI instrumentation (thermal monitoring) Wake-on-LAN via SelectaDock III Wake-on-LAN via SelectaDock III Cis 1.99 GB, D: is up to 1.99 GB, etc. Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service¹4 IBM SystemXtra™
requires external	AC3 decoder/amp video in, ② video o	lifier	- <b>64MB SO D</b> - 56K PC Car	IMM 3.3V NP SDRA IMM 3.3v NP SDRA rd Modem Kit 70 Li-Ion Battery	<b>76H02</b> 04K00	board, fax, electronic, and Internet

IBM® ThinkPad®:	770E	770E	770ED	770E (AAP)		WINDOWS 95 PRELOAD <sup>16</sup>
Processor features L2 cache Diskette (removable External FDD port CD-ROM (removble)	Pentium® II 266/66 No upgrade / proces 512KB / write-back ) 3.5" 1.44MB / in end External diskette po ) Option: 5.25" CD-F EIDE (ATAPI) / PIO ) Std or option: DVD requires DVD and E	MHz¹ (Deschutes) / ssor, L2 cache, and / 4 way set associa cased enclosure / us rt (use std cable to ROM / 24X-10X° spe Mode 4 for W95; D drive / 8 x to 16 x s inhanced Video Ada	33MHz / y II 5/4.7GB) C-3 port	Microsoft® Windows® 95 OSR2.1 (FAT16)     Online User's Guide     ThinkPad Customization Center     ThinkPad Configuration Program     SystemSoft CardWorks     Diskette Factory Utilities     Puma IntelliSync 97; 2. IBM AntiVirus     Asymetrix Digital Video Producer (5AU)     RingZero Ring Central (5AU only)		
Type - model Display (diagonal) Disk (removable) DVD-ROM drive Preload (see side) DVD and Enh Vid Ad Modem Avail / withdr date	Opt PC Card April 1998 / Decemb		9549-5AU 14.1" TFT XGA 8.1GB / PIO4 Standard DVD W95 OSR2.1 Standard 156Kbps	9548-53U (A/ 14.1" TFT XO None Optional Blank (no disl Optional Opt PC Card	GA <sup>′</sup> k)	<ul> <li>Intelliquest Registration Mailer</li> <li>Voyetra Audiostation</li> <li>ConfigSafe</li> <li>IBM Internet Connection services with Netscape Navigator web browser</li> <li>Intel® LANDesk® Client Manager</li> <li>Intel Video Phone (receive) (5AU only)</li> <li>ThinkPad PointCast</li> <li>Ergonomics</li> </ul>
Memory - std / max Memory - upgrade	<b>SDRAM</b> / 83 or 100 144 pin SDRAM SC	D-DIMMs / sockets a	3.3v / 2 sockets availa accessed by removin	g screw on bo	DEC	<ul> <li>ThinkPad on the NET</li> <li>NetFinity for Windows 95</li> <li>Recovery CD-ROM with boot diskette</li> </ul>
			<b>768 (16 million simu</b> 150 nits (AC) / 90 nits			♦ Customization CD-ROM (apps/drivers)
Graphics - arch Graphics - features Graphics - external	PCI 2.1 / Direct3D, I 3D hardware accel External SVGA to 12	DirectDraw, DirectVierator / interpolation 280x1024 w/ 64K co	rator / <b>4MB SGRAM</b> / ideo, DirectX 5.0 supp in in X and Y axis / col lors (85Hz) or 1024x7	oort / ZV interfa or space conve 768 w/ 16M col	ersion ors	WINDOWS NT 4.0 PRELOAD  - Windows NT® Workstation (FAT16)  - Service Pack 3  - Internet Explorer 4.01  - Advanced NT extensions
Disk (swappable) Disk controller	Enhanced IDE / bus internal disks (16.20	master / PCI 2.1 / 43 GB max) / DMA Mod	ch, coin screw, securi 30TX South Bridge / F e 2, Ultra DMA/33, or	PÍIX4 / supports		Online User's Guide     ThinkPad Configuration Program     SystemSoft CardWizard
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num / 7 Flat keyboard (does TrackPoint® / Press center click button for	not lift up) / rear legs s-to-Select / Release	caps	IBM AntiVirus     IBM Internet Connection services with Netscape Navigator web browser     Intel LANDesk Client Manager		
Dimensions Weight <sup>2</sup>	12.3 x 10 x 2.2" (270 Others: 7.6 pounds		ette	<ul><li>Artisoft ConfigSafe</li><li>Puma IntelliSync 97</li></ul>		
	Lithium Ion / intellige 3.5 hrs (7 hrs with se ff2 to 3 hrs / 1.5 to 2.5	ent / left side econd battery in Ultra	•		-	♦ Customization CD-ROM (apps/drivers)
Architecture  Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	Intel 440BX PCIse PCI 2.1 / 32-bit / 33I PC97338 Super I/O SelectaBase 770 / SelectaDock III / S 2 Type 1, 2 Type II, al One USB / one 9 pir APM-aware BIOS / /	MHz (EIDE, graphic / ISA (audio, model PC Card Enabler <sup>18</sup> / <b>electaDock I and II</b> or 1 Type III / <b>Card</b> I n serial; 16550A / on	ext exp)	The right bay (UltraBay™ II) has LED on release latch to provide status; it supports hot swapping; it supports: ① std diskette; ② optional DVD drive; ③ optional CD-ROM; ④ optional 2nd disk; ⑤ optional 2nd battery; ⑥ optional ThinkPad Proven™ VST Zip™ 100 drive		
Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	5AU or option: Vide 5AU or option: MPE 5AU: 56Kbps (x2, u	o in/out (composite a G-2 / IBM MPEGCD pgradeable to v.90 <sup>8</sup> ) vave <sup>8</sup> 3780i DSP / in <b>6RS 3D audio</b> / FM s (front) / 1 watt / rotal output jack (3.5 mm	to stereo	ThinkPad 770 supported disks:  - 3.2GB 13ms read/14ms write 17 mm PIO Mode 4 or DMA Mode 2  - 4.0GB 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33  - 5.1GB 12ms read/13ms write 17 mm PIO Mode 4 or Ultra DMA/33		
Security	Power-on password	/ hard disk passwor	rd / supervisor passwin base for battery and	ord / security k		<ul> <li>- 8.1GB 12ms read/13ms write 17 mm PIO Mode 4 or Ultra DMA/33</li> <li>- All 760 supported disks (requires opt adaptr)</li> </ul>
Limited warranty <sup>11</sup> Service options <sup>15</sup>	Rapid Depot Repair	(12 hr service from a	door depot repair serv rrival time for 3 bus da es) / serv up to 5 yrs t	ny average turn	around)	PC 97 compliant DMI 2.0 compliant
DVD and Enhance	d Video Adapter (Di	<b>EVA)</b> - 5.	1GB disk, 12ms, Ultra 1GB disk, 12ms, Ultra	DMA/33 1	11J8947	DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wired for Management 1.1a compliant
MPEG-1, MPEG-hardware decod     DVD movie playl decryption and au     Video in (composition video capture (ca or VCR), still images till photo images     Video out (comp (connect to video or record on VCR     Dolby® Digital Au Digital signal from requires external.	osite and SVHS) to T to out port; NTSC or P, the screen of ThinkF C-36 (outputs undeco h AC-3 connector; CS AC3 decoder/amplifie video in, @ video out,	11J8836 33H6735 3547003 05K4820 11J8839 33H6739 11J8933 02K0516 05K8866 11J8957 76H0293	Wake on LAN™ support <sup>28</sup> C: is 1.99G, D: up to 1.99G (FAT32), etc. Setup Guide, User's Guide, Up and Running,Windows 95 manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service¹⁴ IBM SystemXtra™ 24 hour / 7 day telephone³⁰, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support			

Processor features L2 cache Diskette (removable): External FDD port CD-ROM (removble) DVD-ROM (remvble) Type - model Preload (see side) DVD or CD-ROM Display (diagonal) Disk (removable) Avail / withdr date Memory - std / max Available sockets Memory - features	512KB / write-back / 4 way set as 3.5" 1.44MB / in encased encloss External diskette port (use std castd or option: CD-ROM / 24X-10 Std or option: 2X <sup>5</sup> DVD drive / 16 9549-71U Windows 98 DVD-ROM CD-ROM L4.1" TFT XGA (1024x768) 8.1GB <sup>4</sup> / 12ms read / 13ms write October 1998 / June 1999 64MB / 320MB <sup>21</sup>	e, and MTXC (North Bridge) on Molssociative/ sync pipelined burst / Eure / use in UltraBay™ II or attach e ble to attach diskette drive external X⁵ speed / bootable / hot swap/ use X-8X⁵ speed / CAV / use in UltraBay yes yes yes yes yes yes yes yes yes ye	CC / 150MHz externally lly) e in UltraBay II	WINDOWS 98 PRELOAD16  - Microsoft® Windows® 98  - Online User's Guide  - ThinkPad Configuration Program  - ThinkPad Utilities  - IBM Registration  - Puma IntelliSync 97  - Norton AntiVirus  - Mediamatics DVD Express  - Artisoft ConfigSafe	
Preload (see side) DVD or CD-ROM Display (diagonal) Disk (removable) Avail / withdr date Memory - std / max Available sockets Memory - features	Windows 98 DVD-ROM CD-ROM 14.1" TFT XGA (1024x768) 8.1GB <sup>4</sup> / 12ms read / 13ms write October 1998 / June 1999 64MB / 320MB <sup>21</sup>	Windows 98	lank (no disk)	Artisoft ConfigSafe	
Available sockets 2 Memory - features 3				IBM Global Network Dialer     Netscape Navigator web browser     ThinkPad on the Net     Ring Central	
	2 available sockets <b>SDRAM</b> / 66MHz / non-parity / 3.3 64MB on motherboard and 2 soc	128MB / 320MB <sup>21</sup> 1 socket (one used by 64MB) 2 v / sockets accessed by removing scre kets for two JEDEC 144-pin SDRA	ew on bottom	<ul> <li>Intel Video Phone</li> <li>Ergonomics</li> <li>Update Connector</li> <li>Recovery CD-ROM (with boot diskette)</li> <li>Customization CD-ROM (apps/drivers)</li> </ul>	
Display - colors	14.1" (358mm) color / 1024x768 16.7 million simultaneous colors Active Matrix TFT / 180 degree t		80x1024	WINDOWS NT 4.0 PRELOAD <sup>16</sup>	
Graphics - controller Graphics - arch Graphics - features	Trident™ CYBER9397DVD / Acc 4MB SGRAM / 83MHz 3D hardware accelerator / AGP-	elerated Graphics Port / 64-bit acc	MB SGRAM ion / Direct3D	<ul> <li>Windows NT® Workstation 4.0</li> <li>Service Pack 3</li> <li>Internet Explorer 4.01</li> <li>Advanced NT extensions</li> <li>Online User's Guide</li> </ul>	
Disk controller I		ds: latch, coin screw, security tool / 2.1 / PIIX4E / supports two internal of O Mode 4		<ul> <li>ThinkPad Utilities</li> <li>ThinkPad Configuration Program</li> <li>Norton AntiVirus (OEM Version)</li> </ul>	
Keyboard slope Pointing device	TrackPoint® / Press-to-Select / R	unctions / integrated palm rest par legs pop up (5.5 degrees slope) elease-to-Select / dragging / click pa magnifying glass / suspension top /		IBM Global Network Dialer     Netscape Navigator web browser     Ergonomics     IBM Registration     SystemSoft CardWizard	
	12.3 x 10 x 2.2" (270 cubic in) / 1-13.7" mod: 7.63 lbs (3.46 kg) with	4.1" mod: 7.57 lbs (3.43 kg) with ba battery/diskette	ttery/diskette	ConfigSafe     Puma IntelliSync 97	
Battery - type I Battery - life <sup>10</sup> (1 batt) 3	Lithium Ion / intelligent / left side 3.5 hrs (7 hrs with second battery 2 to 3 hrs / 1.5 to 2.5 hrs	,		<ul> <li>♦ Recovery CD-ROM (with boot diskette)</li> <li>♦ Customization CD-ROM (apps/drivers)</li> <li>All models:</li> <li>- C: drive is FAT16 of 2GB</li> </ul>	
Port replicator Docking Station PC Card Std slots USB / serial / parallel	Intel 440BX AGPset / Intel 8237 TI® PCI1251 for CardBus / AGP f PCI 2.1 / 32-bit / 33MHz (EIDE, C PC97338 Super I/O / ISA (audio, SelectaBase 770 / PC Card Ena SelectaDock III / SelectaDock II 2 Type 1, 2 Type II, or 1 Type III / One USB / one 9 pin serial; 1655C APM-aware BIOS / AC Adapter bases	eter n) rared, ext exp) EtherJet <sup>18</sup> I Video , bidirectional)	- D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space  The right bay (UltraBay™ II) has LED on release latch to provide status; supports hot swapping:  • std diskette  • std or optional DVD drive  • std or optional CD-ROM		
Video in/out MPEG Data/fax modem Audio support	Option on DEVA: Video in/out (co Software support for MPEG-2 <sup>27</sup> b <b>56Kbps</b> (x2, upgradeable to v.90 <sup>6</sup> integrated Mwave® 3780i DSP / in CS4239: ISA / SRS 3D audio / FN CS4610: PCI / decodes AC3 into s Int stereo speakers (front) / 1 watt	mposite and S-Video) / SAA7111A I ecause 300MHz with motion compery / voice-capable / ternational programmable DAA I synthesis / 16-bit playback and rectereo / MPEG-2 audio decoding / ac / rotary volume control (right) / int m	NTSC/PAL ensation cord coel of DirectX	<ul> <li>std of optional 2nd disk</li> <li>optional 2nd disk</li> <li>optional 2nd battery (requires adapter; cold swap only)</li> <li>optional ThinkPad Proven™ VST Zip™ 100 drive or SuperDisk (LS-120) drive (cold swap only)</li> <li>ThinkPad 770 supported disks:</li> </ul>	
Infrared ports I	Input jack (3.5 mm) / output jack (3.1 Infrared ports (front and back) / IrI	DA 1.1 compatible / up to 4Mbps		<b>- 3.2GB</b> 13ms read/14ms write 17 mm <b>- 4.0GB</b> 13ms read/14ms write 12.5 mm	
	personalization / phillips-head scr	assword / supervisor password / sec ews on base for battery and UltraBa yServ <sup>™31</sup> Rapid Depot Repair (3 bus	ay II bays	<ul> <li>- 5.1GB 12ms read/13ms write 17 mm</li> <li>- 8.1GB 12ms read/13ms write 17 mm</li> <li>- All 760 supported disks (requires opt adaptr)</li> </ul>	
	average turnaround	(72 cities) / serv up to 5 yrs from pur	•	PC 97 compliant DMI 2.0 compliant	
(DEVA) 10L1228 pro  - MPEG-1, MPEG-2 hardware decode IBM MPEGCD1M/ - DVD movie playba decryption and auc - Video in (composi video capture (cap or VCR), still image still photo images), - Video out (composi (connect to video or record on VCR - Dolby® Digital AC Digital signal from	2 HHR, and full MPEG-2 <sup>27</sup> er (audio decoded via software); / 2MB SDRAM; 100MHz ack <sup>27</sup> (MPEG-2 decoding; dio decoding via software) ite and SVHS) (NTSC or PAL) for oture and digitize video from a TV e capture (capture and digitize	- 5.1GB disk, 12ms, Ultra DMA/33 - 8.1GB disk, 12ms, Ultra DMA/33 - 14.1GB disk, 12ms, Ultra DMA/3 - 2nd Disk Adapter (for 760/770 dis - SelectaBase 770 - SelectaBock III <sup>10</sup> - PC Card Enabler with EtherJet - 760 UltraBay Tray for SD III - 56 watt AC Adapter (barrel; 3 pro - 24X-10X CD-ROM Drive (UltraB - 2X DVD Drive (UltraBay II) - DVD and Enh Video Adapter (DE - 32MB SO DIMM 3.3v NP SDRAM - 64MB SO DIMM 3.3v NP SDRAM - 128MB SO DIMM 3.3v NP SDRAM - V.90 PC Card Modem with XJA: - ThinkPad 770 Li-lon Battery - External Battery Charger	B 02K0517 B3 02K0526 B3H6735 B3H6735 3547003 05K4820 11J8839 Dng) 83H6739 Byll) 02K0516 05K8886 EVA) 10L1228 76H0294 20L0241 M 01K1150	DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN® support28 Setup Guide, User's Guide, Windows 98 or NT manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service14 IBM SystemXtra®.35 24 hour / 7 day telephone30, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support	

IBM® ThinkPad®:	770Z 770Z	770Z 770Z	770Z (AAP)	WINDOWS 98 PRELOAD16		
Processor Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble)	Intel® Mobile Pentium® II 366Ml No upgrade / processor, L2 cach 256KB / onboard (full speed) / s 3.5" 1.44MB / in encased enclosi External diskette port (use std ca Std or option: CD-ROM / 24X-10		obile Module ECC externally ally) se in UltraBay II	Microsoft® Windows® 98     Online User's Guide     ThinkPad Configuration Program     ThinkPad Utilities     IBM Registration     Puma IntelliSync 97     Norton AntiVirus (OEM Version)		
Type - model Preload (see side) DVD or CD-ROM Display (diagonal) Disk (removable) Avail / withdrawn	9549-81U Windows 98 DVD-ROM 14.1" TFT XGA (1024x768) 14.1GB <sup>4</sup> / 12ms / 4902rpm / PIO4 February 1999 / December 1999	Windows 98	9549-83U (AAP) Blank (no disk) Optional 14.1" TFT XGA None	Mediamatics DVD Express (DVD mod)     ConfigSafe     IBM Global Network Dialer     Netscape Communicator     Universal Management Agent     Access ThinkPad		
Memory - std / max Available sockets Memory - features	1 available socket (one used by 6 SDRAM / 66MHz / non-parity / 3.3	64MB SO-DIMM) By / sockets accessed by removing sc kets for two JEDEC 144-pin SDRA	erew on bottom AM SO-DIMMs	ThinkPad on the Net RingCentral Intel Video Phone IBM Update Connector Software Selections CD-ROM		
Display - size Display - colors Display - technology		13.7" (348mm) SXGA color / 12 65,536 simultaneous colors at 1 tilt		Recovery CD-ROM (Windows 98)     Recovery CD-ROM (Windows 95) <sup>7</sup>		
Graphics - arch Graphics - features Graphics - external	4MB SGRAM / 83MHz 3D hardware accelerator / AGP External SVGA to 1280x1024 w/6	-1x / sideband / <b>motion compens</b> 64K colors (85Hz) / multiple-monito	4MB SGRAM sation or support <sup>26</sup>	WINDOWS NT 4.0 PRELOAD <sup>16</sup> - Windows NT® Workstation 4.0  - Service Pack 4a  • Online User's Guide		
Disk (swappable) Disk controller		ds: latch, coin screw, security tool. 2.1 / PIIX4E / supports two internal IO Mode 4		ThinkPad Utilities ThinkPad Configuration Program Norton AntiVirus (OEM Version)		
Keyboard / Fn keys Keyboard slope Pointing device	TrackPoint®/Press-to-Select/R	functions / integrated palm rest ear legs pop up (5.5 degrees slope) lelease-to-Select / dragging / click p magnifying glass / suspension top	pace/	IBM Global Network Dialer     Netscape Communicator     Universal Management Agent     Access ThinkPad     IBM Update Connector		
Dimensions / weight <sup>2</sup>	<sup>2</sup> 12.3 x 10 x 2.2" (270 cubic in) / <i>1</i> 13.7" mod: 7.85 lbs (3.56 kg) with	4.1" mod: 7.79 lbs (3.53 kg) with battery/DVD	attery/DVD	IBM Registration     SystemSoft CardWizard		
	4.0 hrs (8 hrs with second battery f 2 to 3 hrs / 1.5 to 2.5 hrs	in UltraBay II) / lithium Ion / intellige	ent / left side	ConfigSafe     Puma IntelliSync 97     ConfigSafe     Puma IntelliSync 97		
Architecture	TI® PCI1251 for CardBus / AGP f PCI 2.1 / 32-bit / 33MHz (EIDE, C	1EB <b>PIIX4E</b> (EIDE, ISA Bridge, US or graphics / LM75 digital thermon CardBus, audio, USB, ext expansio modem, diskette, serial, parallel, in	neter on)	<ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> </ul> All models:		
Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	SelectaBase 770 / PC Card Ena SelectaDock III <sup>18</sup> / SelectaDock 2 Type 1, 2 Type II, or 1 Type III / I One USB / one 9 pin serial; 16550	bler <sup>18</sup> / PC Card Enabler with Adv	EtherJet <sup>18</sup> d Video P, bidirectional)	- C: drive is FAT16 of 2GB - D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space  The right bay (UltraBay™ II) has LED on		
Video in/out MPEG-2 playback <sup>27</sup> DVD movie playback <sup>3</sup> Data/fax modem	Option on DEVA: Video in/out (cc W98 models: Full MPEG-2 playb 4 W98 models: Yes 56K <sup>22</sup> / V.90 / integrated Mwave®	omposite and S-Video) / SAA7111A back <i>NT models:</i> Optional via E <i>NT models:</i> No (limitation	NTSC/PAL DEVA	release latch to provide status; supports hot swapping:  • std diskette  • std or optional DVD drive		
Audio support  Jacks	CS4610: PCI / decodes AC3 into s	M synthesis / 16-bit playback and re stereo / MPEG-2 audio decoding / a t / rotary volume control (right) / int i 3.5 mm) / full duplex	ccel of DirectX	<ul> <li>std or optional CD-ROM</li> <li>optional 2nd disk</li> <li>optional 2nd battery (requires adapter; cold swap only)</li> <li>optional ThinkPad Proven™ VST Zip™</li> </ul>		
Infrared ports Security	Infrared ports (front and back) / Irl		ourity koybolo /	100 drive or SuperDisk (LS-120) drive (cold swap only)		
Limited warranty <sup>11</sup>	personalization / phillips-head scr	rews on base for battery and UltraB yServ <sup>31</sup> Rapid Depot Repair (3 busi	lay II bays	PC 97 compliant DMI 2.0 compliant		
Service options <sup>15</sup>	average turnaround)	(72 cities) / serv up to 5 yrs from pu	•	DMI instrumentation (thermal monitoring)  ACPI ready (APM enabled)		
Optional <b>DVD and E</b>	Enhanced Video Adapter	- 5.1GB disk, 12ms, Ultra DMA/3	3 11J8947	Wired for Management 1.1a compliant Wake on LAN® support <sup>28</sup>		
hardware decod IBM MPEGCD1M  DVD movie playt decryption and au  Video in (compos video capture (cal or VCR), still images still photo images Video out (compo (connect to video or record on VCR Dolby® Digital Ad Digital signal from requires external	2 HHR, and full MPEG-2 <sup>27</sup> er (audio decoded via software); 1/2MB SDRAM; 100MHz back <sup>27</sup> (MPEG-2 decoding; Idio decoding via software) site and SVHS) (NTSC or PAL) for pture and digitize video from a TV ge capture (capture and digitize	- 8.1GB disk, 12ms, Ultra DMA/3 - 14.1GB disk, 12ms, Ultra DMA/ - 2nd Disk Adapter (for 760/770 di SelectaBase 770 - SelectaDock III <sup>18</sup> - PC Card Enabler with EtherJet <sup>1</sup> - 760 UltraBay Tray for SD III - Ultraslim 56 watt AC Adpter (3 p - 24X-10X <sup>5</sup> CD-ROM Drive (Ultra - 2X <sup>5</sup> DVD Drive (UltraBay II) - DVD and Enh Video Adapter (D - 32MB SO DIMM 3.3v NP SDRAM - 64MB SO DIMM 3.3v NP SDRAM - 128MB SO DIMM 3.3v NP SDRAM - 128MB SO DIMM 3.3v NP SDRAM - 178 NP SDRAM - 188 NP SDRAM -	/33 02K0526 sks) 11J8836 83H6735 3547003 83H6741 05K4820 11J8839 vrong) 02K6545 aBy II) 02K0516 05K8886 0EVA) 10L1228 // 76H0294 // 20L0241 JM 01K1150	Setup Guide, User's Guide, Windows 98 or NT manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Asset ID wireless RF technology (available only as an AAP option on the 770Z model 83U; Atmel® AT24RF08 EEPROM) International Warranty Service <sup>14</sup> IBM SystemXtra®.35 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support		

## ThinkPad Power Series 820 - withdrawn

IBM® ThinkPad®;	≈ 820	- CD-POM				Thi	nkPad Power Series 820 strengths:			
Processor type	PowerPC - TFT color Power PC 603e / 100		RI1 coobs			- □ P	PowerPC performance			
Processor type L2 cache	256 KB / write throug			transfers		D A	AIX or NT preloaded (or no operating sys)			
Processor / L2 upgrade Removable diskette		•					Removable, double speed, 5.25" CD-ROM Standard or optional Video Card			
Nortiovable diskette	Can use diskette and	CD-ROM simu	Itaneously as			~ 3	(acceleration, composite video in/out)			
Removable CD-ROM	with an external 5.25" CD-ROM ① / d		Operating System preloads:							
	The middle bay support						, , ,			
Type - model	6040-xxx (listed belo						- Ultimedia Services Ver 2.1.2			
Available date Disk controller	July 1995 or later (list SCSI-2 Fast (for disk	ed below) . CD-ROM) / ex	ternal SCSI-	2 50 pin c	onnector		<ul><li>Insignia SoftWindows Ver 1.1</li><li>Speech Dictation</li></ul>			
Removable disk - size	Choice: <b>540 MB</b> 14 i	ms 🖵 🔾 / <b>810 N</b>	<b>/IB</b> 14 ms <b>□</b>	10/1.20	<b>3B</b> 12 ms O		<ul> <li>Personal Conferencing for AIX (some mod</li> </ul>			
Display - type Display - techology	Choice: Color 640 x 4 Black Matrix TFT - a				oue colore		Essentials! (catalogs and support)     Power, Performance, Potential			
Display - diagonal size							multimedia presentation			
Graphics - controller	WD90C24A Rev C w						<ul> <li>CD-ROMs included: Program Pack, AIX backup, Pers Conferencing for AIX(some)</li> </ul>			
Graphics - vendor Graph - arch/data path	Western Digital / Extern PCI 2.0 / 32 bit / Simple	ernal SVGA to 1 ultaneous LCD	024 x 768 w/ and CRT / 18	256 colo 30 dearee	rs (up to 75   tilt	HZ)	- Black 3 button mouse			
Video function	Some: Video accele	ration / compo	site in/out (	called G10	0 Graphics v		<ul><li> Microsoft Windows NT 3.51 Workstation</li><li> Essentials! (catalogs and support)</li></ul>			
Memory - std / max	16 or 32 MB / 48 MB	Adapter) with P				KOM	- Power, Performance, Potential presenta			
Mem - sockets	Standard: 1 or 2 SO [	DIMMs; availabl			ckets (16 Mi		<ul> <li>Compuserve WinCIM Power Series Ed</li> <li>Introducing ThinkPad Power Series 820</li> </ul>			
Mem-options available	8, 16 MB JEDEC 72 Full size alp/num / 84		nev Setup in	ontored h		(s) std)	- CD-ROMs included: Program Pack, NT			
Keyboard / # of keys Keyboard slope	Palm rest space	(no Fn key) =	ower on	entered b	ly notaing F	wnen	backup  3 No preloaded operating system			
Mouse/pointing Ext keyboard support	TrackPoint III™ Yes (with option cable						<ul> <li>CD-ROMs included: Program Pack,</li> </ul>			
Dimensions	11.7 x 8.3 x 2.2" (213	,		ALL 005	MODELO		Pers Conferencing for AIX (some mod)  BIM OS/2 Warp Connect (when available)			
Color	Black	,			MODELS <i>yboard</i> to a	00000	<ul><li>Solaris (when available)</li></ul>			
Weight (with battery) Battery - type	7.5 pounds (with CD- Nickel hydride (NiMH				M, diskette		G10 Graphics with Motion Video Adapter			
Battery - life	2 to 5 hours	) / intelligent	ŕ	' (some models) provides: - Acceleration of motion video with						
Charge time - on / off	2.0 hrs / 1.5 hrs	U.L. / E !! /00	CL marting	:- \			scaling (no interpolation) of image. Video may be scaled up to full screen			
Architecture	PCI 2.0 / 32 bit / 33 M ISA (audio, PCMCIA				ernal expans	ion)				
Docking Station	VL-Bus 2.0 / 32 bit (				1	,	VCR) in NTSC.			
Port replicator	None									
PCMCIA™ 2.1 slots Serial / parallel ports	2 Type I or 2 Type II One 9 pin; 16550A / E		lel Port (FPP	and IEEE	= 1284)					
Other features	Universal AC adapter					е				
Data/fax modem	None (use PCMCIA)	1 kU= 16 hit a	storoo) / Crus	tal Camia	onductorTM (	~C 4004				
Audio support	CD quality audio (44 Internal stereo speak					554231				
Audio in/out jacks	Internal microphone / Input jack / output jack		licrophone (e	earphone	and headse	t)	- Includes a cable with in/out RCA jacks to connect to the "integrated video			
Infrared ports	None None	K					connect to the "integrated video connector" on back of unit			
Security	Power-on password						Options for ThinkPad Power Series 820:			
	security loop (locking (Kensington™ Micros						- Disks: 540 MB SCSI-2 30H1388 810 MB SCSI-2 30H1392			
Preinstalled software	Choice: none or sele		perating sys	tem (liste	d on side)		1.2 GB SCSI-2 30H1467			
Warranty Warranty options	3 year - ThinkPad Ea ThinkPad EasyServ (		r Option				- AC Adapter 50 watts 30H1403 - 820 Travel Quick Charger 30H1373			
	,	3					- 820 NiMH Battery Pack 30H1369			
Type-Model Part	Mem Disk	LCD G	raphics	Op Sys	Price	Avail	- IBM Personal Microphone 12H1504 - 8 MB SO DIMM parity 92G7255			
≈ 6040-OCD30H155	33 <b>32 MB</b> 1.2 GB	800x600 G1	10	None	\$ 7,999	Aug 95	- 16 MB SO DIMM parity 92G7257			
		800x600 G1 800x600 G1		AIX NT	8,799 8,299	Aug 95 Aug 95				
							FEATURES OF 820 MODELS Battery life and other indicators			
≈6040-06D 30H147 ≈6040-07D 30H147		800x600 G1 800x600 G2		None AIX	8,399	Jul 95 Jul 95	Non-disruptive battery exchange			
≈6040-08D 30H148		800x600 G		NT		Jul 95	Suspend mode US EPA Energy Star compliant			
≈ 6040-966 30H148			10 w/ Motion	None		Jul 95	Personalized nameplate in molded			
≈6040-986 30H148 ≈6040-977 30H148			10 w/ Motion 10 w/ Motion	NT AIX		Jul 95 Jul 95	indention Compatible with PowerPC Reference			
≈6040-006 30H148	37 16 MB 540 MB	640x480 G1		None	5,699	Jul 95	Platform™ Specifications (PReP) v1.1			
≈6040-026 30H148 ≈6040-017 30H149		640x480 G <sup>2</sup>		NT AIX	5,999 7,649	Jul 95 Jul 95	3 year warranty International Warranty Service			
00-017 001148	. CEMIC STONIC	0-10A-100 G	. •	7 11/1	1,UTO 1	Jui 30	24 hour / 7 day telephone, bulletin board, fax, and electronic support			
							IBM warranty/service			
							30 day money back guarantee			

## ThinkPad Power Series 850 - withdrawn

IBM® ThinkPad®;	≫ 850 PowerPC - TFT color - CD-ROM - Video Card		ThinkPad Power Series 850 strengths:
Processor type L2 cache Processor /L2 upgrade Removable diskette	Power PC 603e / 100/66 MHz / 32 KB L1 cache 256 KB / write back / direct mapped / 64 bit transfers None Internal or external 3.5" 1.44 MB O / external diskette drive connector		<ul> <li>PowerPC performance</li> <li>Collaborative and conversational computing</li> <li>Removable, double speed, 5.25" CD-ROM</li> <li>Video card (acceleration, composite video)</li> <li>Optional top mounted video camera</li> </ul>
Removable CD-ROM	5.25" CD-ROM O / double speed / mult The middle bay supports either the stand		
Type - model Available date Disk controller Removable disk - size	6042-xxx (listed below) July 1995 or later (listed below) SCSI-2 Fast (for disk, CD-ROM) / extern Choice: 540 MB 14 ms	Ultimedia Services Ver 2.1.2     Insignia SoftWindows Ver 1.1     Speech Dictation     Personal Conferencing for AIX on CD	
Display - type Display - techology Display - diagonal size	Choice: Color 640 x 480 or Color 800 x 600 (listed below)  Black Matrix TFT - active matrix / up to 65,536 simultaneous colors 10.4 inch / 100 to 1 contrast ratio for 640 x 480 / 110 to 1 for 800 x 600		Essentials! (catalogs and support)     Power, Performance, Potential     multimedia presentation
Graphics - controller Graphics - vendor Graph - arch/data path Video function Video camera	WD90C24A Rev C with 1 MB DRAM (c Western Digital / External SVGA to 102- PCI 2.0 / 32 bit / Simultaneous LCD and Video acceleration / composite in/out Option: CCD camera on top of LCD / NT	- Black 3 button mouse  Video)  Microsoft Windows NT 3.51 Workstation - Essentials! (catalogs and support)	
Memory - std / max Mem - sockets Mem-options available	16 or 32 MB / 80 to 96 MB 70 ns / pari Standard: 2 SO DIMMs in 2 SO DIMMs 4, 8, 16, 32 MB IC DRAMs / must be ins	- Introducing ThinkPad Power Series 850	
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 84 (no Fn key) Yes (legs pop out) / palm rest space TrackPoint IIITM Yes (with option cable)	- CD-ROMs included: Program Pack, NT backup  (3) No preloaded operating system - CD-ROMs included: Program Pack,	
Dimensions	11.7 x 10.2 x 2.4" (286 cubic inches)	ALL 850 MODELS	Personal Conferencing for AIX  4 IBM OS/2 Warp Connect (when available)
Color Weight (with battery)	Black 7.96 pounds (with CD-ROM)	Liftable (pop-up) keyboard access and remove CD-R	
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / Intelligent 2 to 5 hours 2 hrs / 1.5 hrs	diskette drive, disk, and mem (Battery removed from side	- Acceptation of motion video with
Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI ISA (audio, PCMCIA, diskette, serial, p VL-Bus 2.0 / 32 bit (graphics via PCI-to None None 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / Enhanced Parallel Universal AC adapter, 50 watts, not wall	n)  without frame rate degradation  Composite in (from camcorder,  TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without capturing it to disk). Uses NTSC or PAL	
Data/fax modem Audio support  Audio in/out jacks Infrared ports	None (use PCMCIA) / voice-over-data u CD quality audio (44.1 kHz, 16 bit, ster Internal stereo speakers (1 watt each) / Internal microphone / IBM Personal Micr Input jack / output jack / line in / line out None	the screen to VCR - ThinkPad 850 includes in/out RCA jacks on the back of the system	
Security	Power-on password / Supervisor password / Hardware security loop (locking lever) / Keyboard lock / Locking device keyhole		Options for ThinkPad Power Series 850: - Disks: 540 MB SCSI-2 30H1388 810 MB SCSI-2 30H1392
Preinstalled software Warranty Warranty options	(Kensington™ MicroSaver™ cable lock)  Choice: none or select a supported ope  3 year - ThinkPad EasyServ  ThinkPad EasyServ Overnight Repair O	1.2 GB SCSI-2 30H1467 - AC Adapter 50 watts 30H1403 - Video Camera (NTSC) 85G2715 - 850 NiMH Battery Pack 85G2671	
Type-Model Part	Mem Disk LCD Grap	ohics Op Sys Price Av	- 850 Quick Charger 85G2662 rail - IBM Personal Microphone 12H1504
×6042-9CD 29H817 ×6042-9DD 29H817 ×6042-9ED 29H817	0 32 MB 1.2 GB 800x600 G10 w 1 32 MB 1.2 GB 800x600 G10 w	/Motion None \$8,999 Aug /Motion AIX 9,849 Aug	9 95 - 4 MB IC DRAM 70ns 5v parity 92G7238 8 MB IC DRAM 70ns 5v parity 92G7241 - 16 MB IC DRAM 70ns 5v parity 92G7234 - 32 MB IC DRAM 70ns 5v parity 92G7235
≈6042-96D 29H819 ≈6042-97D 29H819 ≈6042-98D 29H819	7 32 MB 810 MB 800x600 G10 w	/ Motion         None         8,549         Jul           / Motion         AIX         9,399         Jul           / Motion         NT         8,849         Jul	95 Battery life and other indicators Non-disruptive battery exchange
	6 32 MB 810 MB 640x480 G10 w 8 32 MB 810 MB 640x480 G10 w	/ Motion         None         8,149         Jul           / Motion         AIX         8,999         Jul           / Motion         NT         8,449         Jul           / Motion         None         6,669         Jul	95   Suspend mode 95   US EPA Energy Star compliant Personalized nameplate in molded indention Compatible with PowerPC Reference Platform™ Specifications (PReP) v1.1
≈6042-926 29H818	2 16 MB 540 MB 640x480 G10 w	/Motion NT 6,999 Jul	90 3 year warranty
Compatible in 820 and 850: ① Disks, ② CD-ROM, ③ AC Adapter    30 day money back guarantee    ThinkPad FacyServ™: customer calls 1-800-772-2227 courier service picks up ThinkPad at   All trademarks are the property of their respective owner.			

- MHz only measures microprocessor internal clock speed (or bus speed where indicated), not application performance. Other factors also affect application performance.
- Unless otherwise indicated, weight includes battery (and travel cover on ThinkPad 600) and excludes external diskette, CD, and/or DVD drives if applicable; actual weight may vary due to vendor components, manufacturing process and options.
- Current available memory options allow memory expansion up to 160MB using two 64MB SDRAM SO DIMMs in the two available slots for memory expansion. Memory expansion beyond 160MB will depend on the availability of memory options larger than 64MB built to IBM ThinkPad 600-770 specifications and such availability cannot be assured. EDO memory is not supported in ThinkPad 770E/ED models.
- GB means billion bytes when referring to hard drive capacity. Accessible capacity varies.
- Variable read rate. Actual playback speed will vary and is often less than the maximum possible.
- OVD drive required for ThinkPad 770 models (standard in some models). For Dolby Digital output, the 'DVD and Enhanced Video Adapter' (11J8957) must be installed (standard in some models) and the ThinkPad notebook connected to appropriate receiver and external speakers.

- ThinkPad notebooks are delivered with Windows 98 preloaded on the hard disk drive and a Windows 98 Recovery CD in the box. For customers who prefer Windows 95, a Windows 95 Recovery CD is also included for installation of Windows 95. Installation of Windows 95 results in removal of the Windows 98 preload.
- Upgrade on 9549-1AU (770) and -5AU (770ED) and 770X via Internet software download at no additional charge (Internet access fees excepted). Software upgrade via the Internet to the V.90 56K ITU standard beginning in 4Q98. Subject to change without notice. x2 modems are designed to be capable of receiving data at up to 56Kbps from an x2-compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- Software upgrade via the Internet to the V.90 56K ITU standard beginning 4Q98. Subject to change without notice.
- <sup>10</sup> Results obtained using BAPCo (Business Applications Performance Corporation) SYSmark Benchmark Test. Battery life and recharge times will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery life may be less using Windows NT.

- <sup>11</sup>For terms and conditions or a copy of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the U.S. and in Canada, call 1 800 426-2255.
- <sup>12</sup> IBM makes no warranties, expressed or implied regarding ThinkPad Proven products and services, including Year 2000 readiness and any implied warranties of merchantability and fitness for a particular purpose.
- <sup>13</sup> If you qualify and subject to condition.
- 14 Available in those countries where IBM and IBM resellers sell and service ThinkPad products. Registration required. Service level is based on the standard service for ThinkPad notebooks in that particular country.
- <sup>15</sup> Service options available based on specific ThinkPad notebook purchased; not all machine types and models are eligible, other limitations apply. Call 1800 426-3395 and request document #11008 or call your IBM authorized reseller for additional information. Service options must be purchased during the original product warranty period.
- 16 Some software may differ from its retail version (if any) and may not include user manuals or all program functionality. Warranty, service and support for non-IBM products are provided directly to you by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM products. For non-IBM software applicable third-party software licenses may apply.

- <sup>17</sup> SelectaDock III, PC Card Enabler, and/ or PC Card Enabler with Advanced EtherJet Feature requires optional SelectaBase 600
- <sup>18</sup> SelectaDock III, PC Card Enabler, and/ or PC Card Enabler with Advanced EtherJet Feature requires optional SelectaBase 770.
- On ThinkPad 600, DVD drive supports standard CD-ROM and data-only DVD discs. DVD movie playback requires an optional third-party DVD PC Card adapter. DVD movie playback not supported with Windows NT.
- <sup>20</sup> Lotus SmartSuite may be preinstalled or provided on CD-ROM depending on the model. Diskettes and hard copy documentation are available at an extra charge.
- <sup>21</sup> The IBM ThinkPad 770X is designed to recognize up to 320MB of addressable memory with the new Mobile Pentium II processor at 300MHz. 64MB or 128MB of new, fast SDRAM SO DIMM system memory (RAM) is standard, depending on model. Current available memory options allow memory expansion up to 320MB using two 128MB SDRAM SO DIMMs in the two user accessible slots for memory expansion. On models with the 13.7-inch display, one of these slots is currently occupied with a 64MB SDRAM that provides the standard 128MB of system memory. This 64MB SDRAM would have to be removed and replaced with a 128MB SDRAM to achieve the 320MB maximum.
- <sup>22</sup> These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from a compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.

- <sup>23</sup> x2 modems are designed to be capable of receiving data at up to 56Kbps from an x2-compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- <sup>24</sup> Designed to be capable of receiving at up to 56kbps with x2 or V.90 compatible phone line and server equipment, and transmitting at up to 31.2kbps. Public networks currently limit download speeds to about 53kbps. Actual speeds vary and are often less than the maximum.
- <sup>25</sup> For ThinkPad 600 or 600E, to achieve 288MB memory configuration on models with 64MB standard, you need to replace one 32MB SDRAM SO DIMM in the memory slot with 128MB SDRAM SO DIMM and add a second 128MB SDRAM SO DIMM.
- Multiple monitor support gives you the ability to expand your ThinkPad desktop area by attaching an external monitor or second display, allowing you to view two different applications running simultaneously. External device must support the same maximum resolution and refresh rate as that of the built-in notebook display. Available video memory may limit resolution and/ or color depth. Individual application support for this feature will vary.
- <sup>27</sup> Software-supported MPEG-2 playback is supported on ThinkPad 770X and 770Z models with Windows 98. Software-supported MPEG-2 playback and support for video capture on Windows NT models requires the optional 'DVD and Enhanced Video Adapter'.

- <sup>28</sup> For ThinkPad 770, IBM Wake on LAN support available via the optional SelectaBase 770 and PC Card Enabler with Advanced EtherJet Feature or SelectaDock III and a Wake on LAN network interface card. For ThinkPad 600, IBM Wake on LAN support available via the optional SelectaBase 600 and PC Card Enabler with Advanced EtherJet Feature or SelectaDock III and a Wake on LAN network interface card. For the ThinkPad 380Z, 390, 560Z, and 570, IBM Wake on LAN support available via the optional ThinkPad Port Replicator with Advanced EtherJet Feature.
- <sup>29</sup> S.M.A.R.T. is defined as Self-Monitoring, Analysis and Reporting Technology.
- <sup>30</sup> Response time varies. May exclude some holidays.
- <sup>31</sup>ThinkPad EasyServ: customer calls 1-800-772-2227, courier service picks up ThinkPad system at most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, five business day average turnaround). Rapid Depot Repair (12-hour turnaround at depot from the time the machine arrives at the depot; three business day average turnaround) is standard for ThinkPad 600 and 770 systems in warranty and included for all ThinkPad systems as part of any mobile warranty upgrade. sent. Service levels are response objectives and are not guaranteed.

- <sup>32</sup> Onsite service: for customers who have purchased on-site service options, LCD screen replacements and other selected repair replacements may be completed at a Depot repair center at IBM's discretion. National on-site coverage is available for selected ThinkPad products 8 a.m. to 5 p.m., customer's time zone, Monday through Friday, excluding holidays, next business day response. Not available in Alaska, Hawaii, Montana, and Wyoming (depot repair service only). Available in selected locations in other states.
- 33 Maximum memory varies depending on model, and may require replacement of standard memory with optional maximum memory module.
- <sup>34</sup> On ThinkPad 770X and 770Z, softwaresupported DVD movie playback is supported with an optional DVD drive (standard on some models) and Windows 98. All other 770 models require the optional DVD and Enhanced Video Adapter and either Windows 95 or Windows 98 for DVD movie playback.
- <sup>35</sup> SystemXtra is available to commercial and state and local government customers with valid credit. Program is subject to change without notice. Additional terms, conditions and limitations may apply. IBM Global Financing offerings are made available through IBM Credit Corporation in the US and other IBM subsidiaries and divisions worldwide

- <sup>36</sup> ThinkPad 390, 570 and 600: thickness may vary at certain points on the system.
- <sup>37</sup> These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from a K56Flex or V.90 compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- 38 DVD movie playback not supported with Windows NT.
- 39 External device must support the same maximum resolution and refresh rate as that of the built-in notebook display.

These systems ship with an operating system.

As an ENERGY STAR Partner, the IBM Personal Systems Group has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

- <sup>40</sup> Delivered with Windows 98 SE preloaded on the hard disk drive and a Windows 98SE Recovery CD in the box. For customers who prefer Windows 95, a Windows 95 Recovery CD is also included for installation of Windows 95. Installation of Windows 95 results in removal of the Windows 98 preload.
- <sup>41</sup> For the models with Intel SpeedStop technology, denotes maximum performance mode; battery optimization mode is a lower MHz speed.



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