Type-model Proces	Speed ssor GHz Memory Screen	Disk GB ⁸ Optica	Mini PCI Comm Bay I wireless/modem	CDC	hernet on lanar		Securit Chip	Preload Sma y busin softw	ess or Glol	oal (Ġ) Avail		
2658-ADU Pentium 2658-AEU Pentium 2658-AFU Pentium 2658-CZU Pentium 2658-AGU Pentium 2658-DAU Pentium	** 4-M 1.6 128MB 14.1" XGA 4-M 1.6 256MB 14.1" XGA	20GB CD-RV 30GB Combo 30GB Combo 40GB Combo 20GB CD-RC 20GB DVD	V Open Wi-Fi ³² /modem Open Open	Modem 10 Modem 10 Modem 10	0/100 0/100 0/100 0/100	1394		XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro Offi XP Pro Offi	No No No No ce ¹⁸ No	Jun 2002 Jun 2002		
• Trade /	Act Agreement (TAA)-comp	iant models										
Positioning TAA-compliant Processor L2 cache Memory	Best blend of portability an Trade Act Agreement-cor Mobile Intel® Pentium® 4 lenhanced Intel SpeedStep 512KB / on die (at process 128 or 256MB std / 1GB mtwo 200-pin SO-DIMM soo	npilant Processor-M 1.0 ™ technology¹ a or speed) / ECC ax² / PC2100 20	6 or 1.8GHz with and 400MHz fronts	ide bus AM / non-pa			- N F ⇒ D	SO ndows XP Pr Aicrosoft® Wir Professional ²⁰ Disk-to-Disk R (in hidden Ser	dows® XP			
Diskette drive CD-ROM CD-RW DVD Combo Ultrabay 2000 Disk	None standard / use option Some: CD-ROM / 24X-10 Some: CD-RW / 8X/4X/2 Some: DVD-ROM / 8X-3 Some: DVD-ROM / CD-RV One modular bay for intercologo / 20GB ⁸ , 30GB, or 40GB / 4 supports 2nd disk with opti	nal Ultrabay™-ba Xº speed / boota XV Maxº / boota 3Xº speed / boo V / 8X/8X/24X/8 hangeable devi 200 rpm / upgrac	ased or USB-base able / removable fro ble /removable fro table / removable f X ²¹ speed / remova ces (right side) / U I deable / S.M.A.R.T	d diskette d rom Ultraba n Ultrabay 2 from Ultraba able from Ultraba trabay Plus	rive y 2000 2000 ay 200 Itrabay	0 y 2000	Wi - N F - C ⇒ E	ndows 2000 r Microsoft Winc Professional [®] ConfigSafe [®] Disk-to-Disk R in hidden Sen CLUDED SOF	nodels lows 2000 ecovery rice Partitio	on)		
Display	14.1" (358.1mm) XGA (10 Easy-open cover to unlatch			150 nits /			• A	eloaded Access ThinkF				
Graphics controller Graphics - external	ATI® Mobility™ Radeon™ External monitor support vi 87-key / ThinkPad Button	a analog DB-15	connector/up to 1	600x1200 a			2B -	Access Conn Access Help Access Supp	ort			
Keyboard TrackPoint® ThinkLight™	TrackPoint®pointing device Illuminates the keyboard to	e, "Press-to-Sel o improve visibili	ect," Internet Scro ity in low-light cond	II Bar¹³,`mac	gnifyin	g glass	• II	Adobe Acroba nterVideo Wir Norton AntiVir	DVD (DVI			
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	12.3" x 10.0" x 1.5"; 313mr with optical drive and batte Color: black; All: ABS pla: Lithium Ion 8-cell / intellige Wireless models: 3.0 hrs;	ry: 5.9 to 6.2 lbs stic nt / supports uni	s (2.6 to 2.7 kg) de			I	• T	PC-Doctor™ ThinkPad Utilities Veritas RecordNOW (CD-RW mod) IBM Update Connector™-15 Downloadable IBM Rapid Restore™ PC IBM Data Transfer IBM Director Agent Client Security Software (security chip models) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand Alone Client				
Architecture Port Replicator PC Card Std slots Ports	Intel 845MP chipset / 828.82801CAM ICH3-M I/O Collow Pin Count (LPC) inter PCI1410A CardBus control LPC bus 33MHz (security Optional ThinkPad Port Rone Type II or one Type II Two USB (Version 1.1) / pRJ-11 (modem) / RJ-45 (expression 1.1)	ISMP Memory Controller Hub (A) face, USB, Firm Iller, TSB43AB21 chip; PC87392 seplicator (no TI) / CardBus 32-barallel / external	FA-100 EIDE, PCI ware Hub) / PCI bi I 1394 (some), Min Super I/O for diske hinkPad Dock sup bit / PCMCIA 2.1 / monitor (DB-15) /	bus, ethern us 2.2 32-bit PCI, extern tte, parallel port) no Zoomed infrared (4N	t, 33MH al expa , infrar Video Vibps)	⊣z (TI® ansion) red)	• • • • • • • •					
Video out IEEE 1394 (FireWire Mini PCI Wi-Fi ³² /modem	S-video out port (TV out) / e)Some: IEEE 1394 (FireWi One Mini PCI type III slot (Some: Mini PCI Wi-Fi³² wi display and in base 56K° V.90 (V.92-di	re) port / 4-pin co Communication reless ⁴ , Intersil®), Wi-Fi-certified	onnector s Bay) / customer Prism 2.5 chipset, /	dual antenr	e ^{4,36} nas (in	side of	on - N E F	Fice XP Small Iy (2658-AGU Microsoft Offic Business ²⁸ (W Publisher, Sma Office XP Sma	/DAU) e XP Sma ord, Excel all Busines	ll Outlook, ss Tools)		
CDC Modem Ethernet Audio support Security	56K6 V.90 (V.92-designed²9) modem combo, Agere® chipset One Communications Daughter Card (CDC) socket (open or modem) / not accessible odem odem official to the state of the								Universal 72 watt AC adapter Asset ID (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant PXE 2.0-compliant IBM ImageUltra Services available t IBM Rapid Restore PC available to protect software image and data			
Limited warranty ¹²	1 year - EasyServ ^{TM,19} ons	' '		grades ²² ava			Inte	ernational Wa	rranty Ser	vice ¹⁷		
256 MB PC2100 DI 512 MB PC2100 DI IBM ThinkPad Ultra IBM ThinkPad Ultra	abay Plus c500 Cradle 22	K0030 Portabl K0032 2000 P5737 ThinkPa P5738 Ultraba	ad Port Replicator e Drive Bay 2000 () media and storaç ad R32 Series Li-lo y 2000 Li-lon batte ad 72W AC Adapte	ge devices) on Battery ery	trabay 19 02 02	K8667 K4480 K7052 K6646 K6699	Pro 24x r	rsonalized Wo bactive e-mail x7 ¹⁸ toll-free s related issues period ¹²	updates ³¹ upport for during the	warranty- warranty		
Travel Bezel for Ult Zip 250MB Ultraba	rabay 2000 08 y 2000 Drive 00	K6070 ThinkPa N8253 Multiple	ad 72W DC Auto A Li-Ion/NiMH Batte	dapter ery Charger	10 02	K3820 K6719		rvicePac ^{®, 22} 1		30L9188		
Ultralight 8X Max D	VD Ultrabay 2000 22	P9102 40GB F	lard Disk 9.5mm (4 IS Hard Disk 9.5m IS Hard Disk 12.5r	m (5400 ŕpn	n) 08	K9686 K9816		rvicePac 2yr rvicePac 3yr		30L9189		
Second HDD Adap ThinkPad Removal ThinkPad Monitor S	ter for Ultrabay 2000 08 ble Diskette Drive 08 Stand 2001 22	K6068 IBM 128 K9603 TrackP P5265 IBM US	IS Hard Disk 12.5n BMB USB 2.0 Mem oint Cap Collection B 2.0 Portable CD	nory Key	73 22	P8998 P2698 P5297	Se	rvicePac 2yr	P&L P/U [30L9195 Depot 30L9191		
IBM 802.11a PC Ca	ard 22		B 2.0 PC Card ptions at ibm.co m	/pc/us/acce		L3245 es	Se	rvicePac 3yr	~&L P/U [epot 30L9192		

Type-model Proce	Speed essor GHz Memory Screen	Disk GB ⁸ Optical	Mini PCI Comm Bay wireless/modem	CDC	Ethernet on planar	1394 port	Securit Chip	y b	Small Wousiness of software	orkhor or Globa mod	al (Ġ) Avai
2658-A6U Pentium 2658-A7U Pentium 2658-A8U Pentium 2658-CSU Pentium 2658-A9U Pentium 2658-BKU Pentium 2658-BPU Pentium 2658-CFU Pentium 2658-CFU Pentium 2658-CGU Pentium 2658-BMU Pentium	1° 4-M 1.6 128MB 14.1" XGA 14-M 1.6 256MB 14.1" XGA 14-M 1.6 256MB 14.1" XGA 14-M 1.8 256MB 14.1" XGA 14-M 1.8 256MB 14.1" XGA 14-M 1.8 256MB 14.1" XGA 14-M 1.8 256MB 14.1" XGA 14-M 1.6 256MB 14.1" XGA 14-M 1.6 256MB 14.1" XGA	20GB CD-RW 30GB Combo 30GB Combo 40GB Combo 20GB CD-ROI 20GB DVD 20GB DVD 30GB DVD 30GB DVD 30GB DVD	Open 11b Wi-Fi ³² /mod Open Open	Modem d None Modem Modem Modem Modem Modem Modem Modem None Modem None	10/100 10/100 10/100 10/100 10/100 10/100 10/100 10/100 10/100 10/100 10/100 10/100	1394	Yes Yes Yes	XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro 2000 2000	Office ¹⁸ Office	W G W G W G W G W G	Jun 2002 Jun 2002
Positioning	Best blend of portability and			tem					SOFTW	ARE ¹⁴	
Processor L2 cache Memory	Mobile Intel® Pentium® 4 Penhanced Intel SpeedStep 512KB / on die (at processo 128 or 256MB std / 1GB mtwo 200-pin SO-DIMM soci	M technology¹ an or speed) / ECC ax² / PC2100 266 kets / std memory	d 400MHz frontsion SMHz DDR-SDRA y in one socket / o	.M / non- ne socke	t aváilab		- M Pı ≎Di	idows XF icrosoft® rofession isk-to-Dis	Windows al ²⁰ sk Recov	s® XP ery	,
Diskette drive CD-ROM CD-RW DVD Combo Ultrabay 2000 Disk	None standard / use option Some: CD-ROM / 24X-10. Some: CD-RW / 8X/4X/24 Some: DVD-ROM / 6X-3. Some: DVD-ROM/CD-RW One modular bay for interct 20GB³, 30GB, or 40GB / 42 supports 2nd disk with optic 14.4 ** (258.1 mm) VCA (403.1 mm)	X ⁹ speed / bootalt X Max ⁹ / bootablo 3X ⁹ speed / boota 1/ 8X/8X/24X/8X nangeable device 100 rpm / upgrada nal HDD Adaptel	ole / removable froe e /removable from ble / removable fr 2¹ speed / removal es (right side) / Ultr bble / S.M.A.R.T. / r in Ultrabay 2000	om Ultrab Ultrabay om Ultra ble from rabay Plu	ay 2000 / 2000 bay 2000 Ultrabay I s -compa	2000	Win - M Pi - Co ⇒ Di (ir	n hidden Idows 20 Icrosoft V Icrosoft Safe I	00 mode Vindows : al ²⁰ & Recove Service P	Is 2000 ery artition)
Display	14.1" (358.1mm) XGA (102 Easy-open cover to unlatch	and open with or	ne hand				Pre	loaded		(,
Graphics controller Graphics - external Keyboard TrackPoint® ThinkLight™ Dimensions³ Approximate weight² Case material Battery - type	87-key / ThinkPad Button / TrackPoint® pointing device Illuminates the keyboard to 12.3" x 10.0" x 1.5"; 313mm	a analog DB-15 c palm rest / pitch: palm rest / pit	onnector / up to 16 19mm; stroke: 2. ct," Internet Scroll / in low-light condi m 2.6 to 2.7 kg) dep	00x1200 7mm (sto Bar ¹³ , mations / no	d-size ke agnifying UltraPo n model	ys) j glass rt™	• Ad • In • No • Po • Th	ccess Thi Access C Access S dobe Acro terVideo orton Ant C-Doctor ninkPad U eritas Re	onnectio upport obat Rea WinDVD iVirus (O M Jtilities cordNOV	der (DVD) EM edi	tion) RW mod)
Battery - life ¹⁰ Architecture Port Replicator PC Card Std slots Ports	Wireless models: 3.0 hrs; (Intel 845MP chipset / 8284 82801CAM ICH3-M I/O Co Low Pin Count (LPC) interf PC11410A CardBus control LPC bus 33MHz (security of Optional ThinkPad Port R One Type II or one Type III Two USB (Version 1.1) / pe RJ-11 (modem) / RJ-45 (et	5MP Memory Controller Hub (ATA ace, USB, Firmw ler, TSB43AB21 chip; PC87392 Si eplicator (no Thi / CardBus 32-bit trallel / external n	A-100 EIDE, PCI b vare Hub) / PCI bu 1394 (some), Mini I uper I/O for diskett nkPad Dock supp t / PCMCIA 2.1 nonitor (DB-15) / in	us, ether s 2.2 32-t PCI, exter te, parallort) ort)	oit, 33MH rnal expa el, infrare 4Mbps) /	Iz (TI® nsion) ed)	• IB • IB • Cl • wi • Cl • Cl	vnloadak M Rapid M Data T M Directe lient Securi th securi ense (CD otus® Sma otus Note	Restore ^T ransfer or Agent urity Soft ty chip) not inclu artSuite [®] s [®] Stand	ware (n ded) Millenr -alone	nium and Client
Mini PCI 11b Wi-Fi ³² /mod	S-video out port (TV out) / 0 e)Some: IEEE 1394 (FireWir One Mini PCI type III slot (C Some: Mini PCI 11b Wi-Fi ^s side of display and i 56K ⁶ V.90 (V.92-de One Communications Daug	e) port / 4-pin cor Communications ² wireless ⁴ , Inters n base), Wi-Fi-ce signed ²⁹) modem thter Card (CDC)	nnector Bay) / customer u sil® Prism 2.5 chips rtified / combo, Agere® ch socket (open or m	set, dual a nipset lodem) / I	antennas	`	only - M Bu Pu ⇒O	ce XP Sr y (2658-A icrosoft C usiness ²⁸ ublisher, 5 ffice XP S versal 72 et ID (svs	9U/BKU Office XP (Word, E Small Bus watt AC) Small Excel, C siness siness adapte	Outlook, Tools) CD
Modem Ethernet Audio support	Some: 56K ⁶ V.90 (V.92-des 10/100 ethernet on motherb Soft audio / ICH AC97 cont codec / stereo speakers / 1 microphone input jack (3.5 Power-on password / hard Some: IBM Embedded Se	oard / Intel 82562 roller / SoundBla watt / volume up mm) / headphon disk password / s curity Subsyste	PETchipset (physic ster Pro™-compat o, down, mute butt e jack (3.5 mm) / r supervisor passwo e m 2.0 33 / hardwai	eal layer) ible / AD ons / no no line in ord / secure re key sto	internal r jack urity keyl orage / m	mic / nole nulti-	PC 2 ACF CIM PXE IBM	ccessed 2001-con I 1.0b ar I and DM E 2.0-com I Rapid R rotect sof	over netv npliant nd 2.0-co I 2.0-com npliant estore P	work) mplian ipliant C avail	t able to
Limited warranty ¹²	factor authentication / local 1 year - EasyServ ^{TM,19} onsi					omplia	''' Inte	rnational sonalized	Warrant	y Šervi	ce ¹⁷
128 MB PC2100 D 256 MB PC2100 D 512 MB PC2100 D	DR-SDRAM CL2.5 SOD 10 DR-SDRAM CL2.5 SOD 10 DR-SDRAM CL2.5 SOD 10	K0028 ThinkPa K0030 Portable K0032 2000	d Port Replicator Drive Bay 2000 (media and storag	accepts le device	02 Jltrabay s) 19	K8667	Proa 24 h sı	active e-r nour x 7 d upport du	mail upda lay¹8 toll- iring the	ates ³¹ free ha warran	rdware ty ¹²
	abay Plus c500 Cradle 22	P5738 Ultrabay	d R32/R40 Li-Ion 2000 Li-Ion batte d 72W AC Adapte	ry	02	K7052 K6646 K6699		vicePac®	,		30L9188
Travel Bezel for Ul Zip 250MB Ultraba	trabay 2000 08	K6070 ThinkPa	d 72W AC Adapte d 72W DC Auto A Li-Ion/NiMH Batte	dapter	10	K6699 K3820 K6719		vicePac 2 vicePac 3	•		30L9189
24X-10X CD-ROM	Ultrabay 2000 Drive 05	K9233 20GB H	ard Disk 9.5mm S Hard Disk 9.5mr	, ,	08	K9686 K9816		vicePac 2	•		30L9195
CD-RW/DVD Com	nbo III Ultrabay 2000 22 oter for Ultrabay 2000 08	P6980 60GB H K6068 TrackPo	S Hard Disk 12.5m int Cap Collection itions at ibm.com	ım (5400	rpm) 08 73	K9688 P2698		vicePac (•	P/U De	30L9191
0 1 1 1 1	portant warranty information								32) @ IBM		

Speed

Ethernet IEEE Preload Workhorse (W) on 1394 Security Limited or Global (G) Avail

Type-model Proce		Chip Warranty model date						
2659-CFU Pentiur 2659-CGU Pentiur 2659-BMU Pentiur	m® 4-M 1.6 256MB 14.1" XGA 20GB DVD Open Modem 10/100 No m 4-M 1.6 256MB 14.1" XGA 20GB DVD 11b Wi-Fi³²/mod None 10/100 No m 4-M 1.8 256MB 14.1" XGA 30GB DVD Open Modem 10/100 No m 4-M 1.8 256MB 14.1" XGA 20GB DVD 11b Wi-Fi/mod None 10/100 No m 4-M 1.6 256MB 14.1" XGA 20GB DVD 11b Wi-Fi/mod None 10/100 No	Yes XP Pro 3 yr W G Jun 2002 XP Pro 3 yr W G Jun 2002 XP Pro 3 yr W G Jun 2002 Yes XP Pro 3 yr W G Jun 2002 2000 3 yr W G Jun 2002 Yes 2000 3 yr W G Jun 2002						
2659 m	odels have a 3 year limited warranty (other 2658 ThinkPad R32 systems have a 1 year lin	nited warranty)						
Positioning Processor	Best blend of portability and essential features; two-spindle system Mobile Intel® Pentium® 4 Processor-M 1.6 or 1.8GHz with	SOFTWARE ¹⁴						
L2 cache Memory	enhanced Intel SpeedStep™ technology¹ and 400MHz frontside bus 512KB / on die (at processor speed) / ECC 128 or 256MB std / 1GB max² / PC2100 266MHz DDR-SDRAM / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available	Windows XP Pro models - Microsoft® Windows® XP Professional ²⁰ ⇒ Disk-to-Disk Recovery						
Diskette drive DVD Ultrabay 2000 Disk	None standard / use optional Ultrabay™-based or USB-based diskette drive DVD-ROM / 8X-3.3X ⁹ speed / bootable / removable from Ultrabay 2000 One modular bay for interchangeable devices (right side) / Ultrabay Plus -compatible 20GB ⁹ or 30GB / 4200 rpm / upgradable / S.M.A.R.T. / supports 2nd disk with optional HDD Adapter in Ultrabay 2000	(in hidden Service Partition) Windows 2000 models - Microsoft Windows 2000 Professional ²⁰ - ConfigSafe®						
Display	14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits / Easy-open cover to unlatch and open with one hand							
	ATI® Mobility™ RADEON™ 7000 / AGP 4X / 16MB DDR-SDRAM External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B	INCLUDED SOFTWARE ¹⁴ (all)						
Keyboard TrackPoint® ThinkLight™ Dimensions³ Approximate weight² Case material	87-key / ThinkPad Button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys) TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass Illuminates the keyboard to improve visibility in low-light conditions / no UltraPort™ 12.3" x 10.0" x 1.5"; 313mm x 254mm x 38mm with optical drive and battery: 5.9 lbs (2.6kg) Color: black; All: ABS plastic	Preloaded						
Battery - type Battery - life ¹⁰	Lithium Ion 8-cell / intelligent / supports unique 2nd battery in Ultrabay 2000 Wireless models: 3.0 hrs; Others: 3.1 hrs	Norton AntiVirus (OEM edition) PC-Doctor™						
Port Replicator PC Card Std slots Ports	Intel 845MP chipset / 82845MP Memory Controller Hub (MCH-M) / 82801CAM ICH3-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI, external expansion) / LPC bus 33MHz (security chip (some); PC87392 Super I/O for diskette, parallel, infrared) Optional ThinkPad Port Replicator (no ThinkPad Dock support) One Type III or one Type III / CardBus 32-bit / PCMCIA 2.1 Two USB (Version 1.1) / parallel / external monitor (DB-15) / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet) / no keyboard or mouse or serial port	ThinkPad Utilities Veritas RecordNOW (CD-RW mod) IBM Update Connector™.15						
Video out IEEE 1394 Mini PCI 11b Wi-Fi ³² /mod	S-video out port (TV out) / one industry standard connector None One Mini PCI type III slot (Communications Bay) / customer upgradable ^{4,36} Some: Mini PCI 11b Wi-Fi ³² wireless ⁴ , Intersil [®] Prism 2.5 chipset, dual antennas (in side	Universal 72 watt AC adapter Asset ID (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant PXE 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to						
CDC Modem Ethernet Audio support Security	of display and in base), Wi-Fi-certified / 56k° V.90 (V.92-designed²º) modem combo, Agere® chipset One Communications Daughter Card (CDC) socket (open or modem) / not accessible Some: 56k° V.90 (V.92-designed²º) modem in CDC / Agere® chipset 10/100 ethernet on motherboard / Intel 82562ETchipset (physical layer) Soft audio / ICH AC97 controller / SoundBlaster Pro™-compatible / AD1881A AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack Power-on password / hard disk password / supervisor password / security keyhole Some: IBM Embedded Security Subsystem 2.0³³ / hardware key storage / multifactor authentication / local file encryption / enhances VPN security¹6 / TCPA-compliant							
Limited warranty ¹² Service options	3 years/1 year battery - EasyServ™.19 onsite pickup and delivery Service upgrades²² provide up to five years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)	Personalized Web-based support ³¹ Proactive e-mail updates ³¹ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²						
256 MB PC2100 D 512 MB PC2100 D IBM ThinkPad Ultr IBM ThinkPad Ultr ThinkPad Ultrabay Travel Bezel for Ul Zip 250MB Ultraba 24X-10X CD-ROW Ultralight 8X Max I CD-RW/DVD Com	Abay Plus c500 Cradle 22P5738 Ultrabay 2000 Li-lon battery 02K6646 22P7330 08K6070 ThinkPad 72W AC Adapter 02K6699 08V 2000 Drive 00N8253 Ultrabay 2000 Drive 05K9233 22P9102 40GB HS Hard Disk 9.5mm (5400 rpm) 08K9816 08K6068 Ultrabay 2000 02K6646 02K6699 02K6719 02K6699 02K6699 02K6699 02K6699 02K6699 02K6699 02K6719 02K6699 02K6699 02K6699 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6699 02K6719 02K6719 02K6699 02K6719 02K6719	ServicePac ^{®, 22} 2yr IOR 9x5 NBD 30L9190 ServicePac 3yr IOR 9x5 NBD 30L9197						
0 1 1 1	nortant warranty information	(DOO) @ IBM Corn Morch 2002						

Mini PCI Comm Bay

CDC

Disk

Type-model Proce	Speed ssor GHz Memory Scre	Disk en GB ⁸ Optica	Mini PCI Comm Bay I wireless/modem	CDC	hernet on olanar	1394 S				orkhors r Globa mode	l (Ġ) Avail	
2659-EGU Pentiur 2659-DMU Pentiur 2659-DNU Pentiur • 2659 r.		XGA 30GB DVD XGA 20GB DVD XGA 20GB DVD d warranty (other 2	11b Wi-Fi ³² /mod Open 11b Wi-Fi/mod Open 11b Wi-Fi/mod	Modem 1 None 1 Modem 1 None 1	0/100 0/100 0/100 0/100 0/100	No No No No	Yes Yes Yes	XP Pro XP Pro XP Pro XP Pro 2000 2000 warranty	3 yr 3 yr 3 yr 3 yr 3 yr 3 yr	W W W	Jun 2002 Jun 2002 Jun 2002 Jun 2002 Jun 2002 Jun 2002	
Positioning	Best blend of portability an		s: two-spindle syst	em					OFTWA	DE14		
TAA-compliant Processor	Trade Act Agreement-co Mobile Intel® Pentium® 4 enhanced Intel SpeedStep	mpliant Processor-M 1.6 o o™ technology¹ and	or 1.8GHz with				- Mic	ows XP rosoft® W	Pro mod Vindows	dels		
L2 cache Memory	512KB / on die (at process 128 or 256MB std / 1GB n two 200-pin SO-DIMM soo	nax ⁷ / PC2100 266 ckets / std memory	in one socket / or	ie sockėt a	váilabl		≎Disl (in	fessional k-to-Disk hidden S	Recove ervice P	artition)	
Diskette drive DVD Ultrabay 2000 Disk	None standard / use optio DVD-ROM / 8X-3.3V³ spe One modular bay for interc 20GB³ or 30GB / 4200 rpm supports 2nd disk with opti	ed / bootable / rem changeable device n / upgradable / S.N	ovable from Ultrates (right side) / Ultra M.A.R.T. /	ay 2000		ible	- Mic Pro - Cor	ows 200 0 rosoft Wi fessional nfigSafe® k-to-Disk	ndows 2	000		
Display	14.1" (358.1mm) XGA (10 Easy-open cover to unlate			50 nits /			(in h	nidden Se	ervice Pa	artition)		
	ATI® Mobility™ RADEON External monitor support v	™ 7000 / AGP 4X	/ 16MB DDR-SDF		85Hz/I	DDC2B	Prelo	UDED So aded ess Thin		.v∈(a)	
Keyboard TrackPoint® ThinkLight™	87-key / ThinkPad Button TrackPoint® pointing device Illuminates the keyboard t	e, "Press-to-Selec	t," Internet Scroll I	3ar¹³,`magı	nifying (gĺass	- Ac	ccess Co ccess He ccess Su	nnectior lp pport			
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	12.3" x 10.0" x 1.5"; 313mi with optical drive and batte Color: black; All: ABS pla Lithium Ion 8-cell / intellige Wireless models: 3.0 hrs;	ery: 5.9 lbs (2.6kg) stic ent / supports uniqu	depending on mo)		Adobe Acrobat Reader InterVideo WinDVD (DVD models) Norton AntiVirus (OEM edition) PC-Doctor™ ThinkPad Utilities					
Port Replicator PC Card Std slots Ports	Intel 845MP chipset / 828 82801CAM ICH3-M I/O C Low Pin Count (LPC) intel PC11410A CardBus contro chip (some); PC87392 Su Optional ThinkPad Port F One Type II or one Type I Two USB (Version 1.1) / p RJ-11 (modem) / RJ-45 (e	ontroller Hub (ATA rface, USB, Firmw. oller, Mini PCI, exte per I/O for diskette Replicator (no Thir II / CardBus 32-bit arallel / external m othernet) / no keybo	-100 EIDE, PCI bu are Hub) / PCI bus rnal expansion) / Ll , parallel, infrared? nkPad Dock suppo / PCMCIA 2.1 tonitor (DB-15) / in pard or mouse or s	us, etherne 2.2 32-bit, PC bus 331 ort) frared (4M	33MHz MHz (s	z (TI®	• IBM Dowr • IBM • IBM • IBM • Clie with Licen	I Update I loadable I Rapid F I Data Tra I Director ent Secur n security use (CD r	Connect e Restore™ ansfer Agent ity Softw chip) not include	tor ^{TM,15} PC vare (m		
Video out IEEE 1394 Mini PCI 11b Wi-Fi ³² /mod	S-video out port (TV out) / None One Mini PCI type III slot (Some: Mini PCI 11b Wi-F	Communications I i ³² wireless ⁴ , Inters	Bay) / customer up il® Prism 2.5 chipse	gradable ^{4,} et, dual ant	36 ennas ((in side	Lote	us® Smar us Notes® ersal 72 v t ID (syst	Stand-	alone C adapte	Client	
CDC Modem Ethernet Audio support Security	of display and in be 56K6 V.90 (V.92-di One Communications Dau Some: 56K6 V.90 (V.92-de 10/100 ethernet on mother Soft audio / ICH AC97 corcodec / stereo speakers / microphone input jack (3.5 Power-on password / hart Some: IBM Embedded S factor authentication / local	esigned ²⁹) modem Ighter Card (CDC) seigned ²⁹) modem i board / Intel 82562 Itroller / SoundBlas 1 watt / volume up 5 mm) / headphone d disk password / s ecurity Subsyste	combo, Agere® ch socket (open or mo n CDC / Agere® ch ETchipset (physica ster Pro™-compati , down, mute butto e jack (3.5 mm) / n supervisor passwo m 2.0³³ / hardware	odem) / not ipset al layer) ble / AD18 ons / intern o line in jac rd / securit e key stora	81A AC al mic / ck y keyho ge / mu	097 ole ılti-	ACPI ACPI CIM a PXE 2 IBM II IBM F pro Intern	cessed or 1.0b and 1.	ver netw pliant 12.0-com 2.0-com pliant ra™ Serv store PC ware ima Varranty Web-bas	rork) mpliant pliant vices av availa ge and sed sup	vailable able to data e ¹⁷	
Limited warranty ¹²	3 years /1year battery - Esservice upgrades ²² availab		pickup and deliver	y /			24x7¹ rela	⁸ toll-free ated issu	e suppor	t for wa	arranty- arranty	
256 MB PC2100 D 512 MB PC2100 D IBM ThinkPad Ultr IBM ThinkPad Ultrabay Travel Bezel for Ul Zip 250MB Ultraba 24X-10X CD-ROM Ultralight 8X Max I CD-RW/DVD Com	abay Plus c500 Cradle Plus Numeric Keypad 22 Plus Numeric Keypad 03 04 05 05 07 07 07 07 07 07 07 07 07 07 07 07 07	0K0030 Portable 2000 2000 2007 200	d Port Replicator Drive Bay 2000 (a media and storage d R32/R40 Li-lon E 2000 Li-lon batter d 72W AC Adapte d 72W DC Auto Ac Li-lon/NiMH Battel ard Disk 9.5mm (42 6 Hard Disk 9.5mm (42 6 Hard Disk 12.5m MB USB 2.0 Memo int Cap Collection 3 2.0 Portable CD-l 3 2.0 PC Card tions at ibm.com/	e devices) Battery y Lapter y Charger 200 rpm) 1 (5400 rpm m (5400 rp ory Key	rabay 19k 02k 02k 02k 10k 02k 08k n) 08k m) 08k 22F 73F 22F 33L	28998 2698 25297 .3245	Servi	cePac ^{®, 2}	-	x5 NBI	30L9190	

	_	Spe				isk		Mini PCI Comm Bay	CDC		ecurit		Limited of	orkhorse (W) or Global (G) Avail					
	entium	® 4-M 1.	6 256MB	14.1" X	GA 20	GB		Open (wireless upg Cisco 802.11b	³⁶) Moden	planar 10/100 1 10/100	-	XP Pro	1 year 1 year	W G Jul 2002 W Jul 2002					
Positioning Processor L2 cache Memory		Best ble Mobile enhanc 512KB 256MB	end of port Intel® Per ed Intel S / on die (a std / 1GB	tability and tium® 4 peedStep to process max7 / F	d esse Proces o™ tecl sor spe	ntial ssoi nnol ed)	I feature r- M 1.6 ogy¹ an / ECC 6MHz [es; two-spindle system or 1.8GHz with ad 400MHz frontside b DDR-SDRAM / non-p y in one socket / one	n ous arity / CL2.	5 /	W i 1 -	indows) Microsoft Professio	SOFTW (P Pro mo [®] Window onal ²⁰	ARE ¹⁴ odels s® XP					
Diskette drive DVD Ultrabay 2000 Disk Display		None st Some: One mo 20GB ⁸ (support 14.1 " (3 easy-op	tandard / t DVD-RO odular bay or 30GB / s 2nd disk 358.1mm) oen cover	use optio M / 8X-3 for inter 4200 rpm with opti XGA (10 to unlate	nal Ulti .3X° sp change n / upgr onal H 1 24x76 n and c	raba eedd adda DD <i>i</i> 8) T pen	y™-bas I / boota e device ble / S.I Adapte FT colc with or	sed or USB-based dis able / removable from es (right side) / Ultrab M.A.R.T. / r in Ultrabay 2000 or / Active Matrix / 150 ne hand (two latches)	kette drive Ultrabay 2 ay Plus-co	000	INC	 Disk-to-Disk Recovery (in hidden Service Partition) INCLUDED SOFTWARE¹⁴ (all) Preloaded Access ThinkPad Access Connections Access Help Access Support 							
	ernal	Externa 87-key TrackPo Illumina	<u>Il monitor :</u> / ThinkPa oint® point	support v d Button ting device eyboard t	ia anal / palm ce, "Pre o impre	og E rest ess- ove	DB-15 c t / pitch: to-Sele visibility	7/16MB DDR-SDRA onnector/up to 1600: 19mm; stroke: 2.7m ct," Internet Scroll Ba y in low-light condition	1200 at 85 m (std-size r ¹³ , magnif	keys) ying glass	B • /	Adobe Ad nterVide Norton Ai PC-Docto ThinkPad	crobat Rea o WinDVD ntiVirus (C	O (DVD models) EM edition)					
Approximate we Case material Battery - type Battery - life ¹⁰	eight ²	with opt <i>Color:</i> E Lithium <i>Wireles</i>	ical drive Black; All. Ion 8-cell ss CHU m	and batte : ABS pla / intellige odel: 3.0	ery: 5.9 stic ent / su hrs; <i>B.</i>	9 lbs ippo ZU:	s (2.7 kg orts uniq 3.1 hrs	g) ue 2nd battery in Ultra			• I	wnloada BM Rapi BM Data BM Direc	able d Restore Transfer ctor Agent	™ PC					
Port Replicator PC Card Std sl Ports	or slots	82801C Low Pir PCI141 LPC bu Optiona One Ty Two US	CAM ICH3 n Count (L 0A CardE s 33MHz al ThinkPa pe II or on SB (Versio	-M I/O C .PC) inte Bus contro (security ad Port F ne Type I on 1.1) / p	ontrolle rface, l oller, T chip; F Replica II / Car varallel	er Hi JSB SB4 CS CS ator dBu / ex	ub (ATA 3, Firmw 3AB21 7392 Si (no Thi s 32-bit ternal r	ontroller Hub (MCH-N 4-100 EIDE, PCI bus. vare Hub) / PCI bus 2. 1394 (some), Mini PC uper I/O for diskette, inkPad Dock support t / PCMCIA 2.1 / integ nonitor (DB-15) / infra loard or mouse or sel	ethernet N 2 32-bit, 33 , external e parallel, inf irated door ared (4Mbp	MHz (TI® xpansion) rared)	\ Lic -	Client Security Software (models with security chip) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client							
Video out IEEE 1394 Mini PCI 802.11b Wireless up- gradable CDC Modem Ethernet)-	S-video None One Mil CHU: BZU: One Co All:	o out port (ni PCI typ Mini PCI 8 chipset, d Dual ante IBM intend mmunical 56K ⁶ V.90	(TV out) / e III slot (802.11b v ual anten nnas (in s ds to ann tions Dau (V.92-de	Commination (Commination (Commi	dus unio s ⁴ , C side disp Mini Card	try stan cations cisco® A e of disp lay and PCI Wi I (CDC) modem	dard connector Bay) / customer upgironet® Wireless 802 blay and in base), Willin base) for wireless i-Fi wireless communisocket (open or mod in CDC / Agere® chip	adable 11b, Prism Fi-certified connectivit cation optic em) / not ac	y/ ons	suj inc dis Ult po Ult Cra	Ultrabay Plus integrated modular bay supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, diskette drive, or Zip drive; the optiona Ultrabay Plus Device Carrier adds potential functionality by supporting the Ultrabay Plus Numeric Keypad and Cradle for the WorkPad® c500 Series							
Audio support Security		Soft aud codec / microph <i>All:</i> Pov <i>CHU:</i>	dio / ICH A stereo sp none input wer-on pa IBM Emb multi-facto TCPA-cor	AC97 cor leakers / t jack (3.9 ssword / edded S or auther mpliant	ntroller 1 watt 5 mm) hard c ecurity nticatio	/ So / vol / hea lisk y S u n / lo	undBla lume up adphon passwo ubsyste ocal file	ester Pro™-compatible b, down, mute button e jack (3.5 mm) / no l prd / supervisor passy em 2.0 ³³ / hardware k encryption / enhance	e / AĎ1881 s / no interr ine in jack vord / secu ey storage	nal mic / rity keyho /	le AC CII	Universal 72 watt AC adapter Asset ID (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant PXE 2.0-compliant IBM ImageUltra TM Services available							
Limited warran Service options	าร	Service	- EasySei upgrades te of Think	s ²² provid	e up to	five	years o	livery of onsite or depot repa arranty period)	ir service o	coverage	Int 24	orotect s ernation hour x 7 support o	oftware im al Warran day ¹⁸ toll- during the	PC available to nage and data ty Service ¹⁷ If ree hardware warranty ¹² DR 9x5 NBD					
128 MB PC21 256 MB PC21 512 MB PC21 IBM ThinkPad IBM ThinkPad IBM ThinkPad IBM ThinkPad ThinkPad Ultr Travel Bezel f Zip 250MB UI 24X-10X CD- Ultralight 8X N CD-RW/DVD Second HDD ThinkPad Rer IBM High Rat Cisco Aironet IBM High Rat	100 DI 100 DI d Ultra d Ultra drabay for Ult lltraba -ROM Max D O Coml D Adap moval te Wire t Wire	DR-SDF DR-SDF abay Plu abay Plu Plus Nu rabay 2 y 2000 I Ultraba VVD Ultr boo III Ulti ter for U ble Disk eless LA less 802	RAM CL2. RAM	5 SOD 1 5 SOD 1 7 SOD	0K003 0K003 22P573 22P573 22P733 08K607 00N825 05K923 22P910 22P698 08K960 08K960	60 F 62 - 18 F 60 - 18 F 60 F 63 F 63 F 63 F 63 F 64 F 64 F 64 F 64 F 64 F 64 F 64 F 64	Portable 2000 ThinkPa Jltraba ThinkPa Multiple 20GB H 40GB H Dptical BM 128 TrackPe BM US BM 1G	ad Port Replicator e Drive Bay 2000 (ac) media and storage of ad R32/R40 Li-Ion Bay y 2000 Li-Ion battery ad 72W AC Adapter ad 72W DC Auto Ada e Li-Ion/NiMH Battery lard Disk 9.5mm (420 IS Hard Disk 9.5mm (3-Button Travel Wheel BMB USB 2.0 Memory oint Cap Collection B 2.0 Portable CD-R B Microdrive™ with P ptions at ibm.com/po	oter Charger Orpm) 5400 rpm) I Mouse V Key W Drive C Card	19K4480 02K7052 02K6646 02K6699 10K3820 02K6719 08K9869 02K9898 22P8998 22P5297 07N5574	Se Se Se Se Se Se Se Se	rvicePac rvicePac rvicePac rvicePac rvicePac rvicePac rvicePac	2yr IOR 9 3yr IOR 9 4yr IOR 9 5yr IOR 9 2yr P&L 3yr P&L	30L9188 9x5 NBD 30L9189 9x5 NBD 30L9195 9x5 NBD 69P9194					

Type-model Proce	Speed	Screen	Disk GB ⁸	Optical	Mini PCI Comm Bay wireless/modem	CDC modem	Ethernet on S planar	Security Chip Prelo		Workhors or Globa mode	l (Ġ)Ávail						
	n® 4-M 1.6 256MB	14.1" XGA	20GB	DVD	Open (wireless upg ³⁶)	Modem	10/100	XP	Pro 3 years Pro 3 years	WG	Jul 2002 Jul 2002						
					658 ThinkPad R32 system				-	VV	Jul 2002						
Positioning Processor L2 cache Memory	Mobile Intel® Pen enhanced Intel Sp 512KB / on die (at 256MB std / 1GB	tium® 4 Pro eedStep™ t processor s max ⁷ / PC2*	cessor echnol speed) 100 26	r -M 1.6 ogy¹ an / ECC 6MHz E	es; two-spindle system or 1.8GHz with d 400MHz frontside bus DDR-SDRAM / non-parit y in one socket / one soc	y / CL2.5		- Micros	vs XP Pro m soft® Windov ssional ²⁰	vs® XP							
Diskette drive DVD Ultrabay 2000 Disk	None standard / u Some: DVD-ROI	se optional I M / 8X-3.3X ⁹ for interchar I 200 rpm / u	Ultraba speed ngeable ograda	y™-bas l / boota e device ble / S.I	sed or USB-based disket lble / removable from Ult es (right side) / Ultrabay I M.A.R.T. /	tte drive trabay 20	000	(in hid	 Disk-to-Disk Recovery (in hidden Service Partition) INCLUDED SOFTWARE¹⁴ (all) Preloaded Access ThinkPad 								
Display					or / Active Matrix / 150 nit e hand (two latches)	s/		- Acce	ss Connecti ss Help	ions							
					/ 16MB DDR-SDRAM onnector / up to 1600x12	00 at 85H	Hz/DDC2	• Adobe	ss Support Acrobat Re ideo WinDV		nodels)						
Keyboard TrackPoint® ThinkLight™	TrackPoint®pointi	na device. "	Press-	to-Sele	19mm; stroke: 2.7mm (ct," Internet Scroll Bar ¹³ , in low-light conditions /	magnify	ring glass	NortonPC-DoThink	n AntiVirus (¢ octor™ Pad Utilities	OÈM editi							
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	Color: Black; All:	and battery: ABS plastic / intelligent /	5.9 lbs suppo/	(2.7 kç rts uniq		/2000		IBM R IBM D	apid Restor ata Transfei	e™ PC							
Architecture Port Replicator PC Card Std slots Ports	82801CAM ICH3- Low Pin Count (LI PCI1410A CardBi LPC bus 33MHz (Optional ThinkPa One Type II or on Two USB (Version	M I/O Contr PC) interfac- us controller security chip d Port Reple Type III / C n 1.1) / paral	oller Hi e, USB , TSB4; o; PC8; licator CardBu llel / ex	ub (ATA , Firmw 3AB21 7392 Su (no Thi s 32-bit ternal n	ontroller Hub (MCH-M) / A-100 EIDE, PCI bus, ether are Hub) / PCI bus 2.2 3.1394 (some), Mini PCI, exper I/O for diskette, parnkPad Dock support) / PCMCIA 2.1 / integrate nonitor (DB-15) / infrarecoard or mouse or serial	2-bit, 33 tternal ex allel, infr ed door d (4Mbps	MHz (TI® kpansion) rared)	• Client with s License / - Lotus	IBM Director Agent Client Security Software (models with security chip) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client								
Video out IEEE 1394 Mini PCI 802.11b	S-video out port (None One Mini PCI type CHU: Mini PCI 8	ΓV out) / one III slot (Cor 02.11b wirel	e indus mmunic ess ⁴ , C	try stan	dard connector Bay) / customer upgrada ironet® Wireless 802.11l	able o, Prism	2.0		/ Plus integr								
Wireless up- gradable CDC Modem Ethernet Audio support	BZU: Dual anter IBM intend One Communicati All: 56K ⁶ V.90 10/100 ethernet or	nas (in side s to announ ons Daught (V.92-design motherboa	of disp ce Mini er Card ned ²⁹) r rd / Inte	lay and PCI Wi I (CDC) nodem el 82562	olay and in base), Wi-Fi-c in base) for wireless cor -Fi wireless communicat socket (open or modem) in CDC / Agere® chipset ETChipset (physical laye ster Pro™-compatible / A	nectivity ion optio) / not ac er)	ns cessible	including diskette Ultrabay potentia Ultrabay	supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, diskette drive, or Zip drive; the optional Ultrabay Plus Device Carrier adds potential functionality by supporting the Ultrabay Plus Numeric Keypad and Cradle for the WorkPad® c500 Series Universal 72 watt AC adapter Asset ID (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant								
Security	codec / stereo spe microphone input All: Power-on pas CHU: IBM Embe	eakers / 1 wa jack (3.5 mr ssword / har edded Secu r authentica	att / vol m) / hea d disk rity Su	ume up adphon passwo ibsyste	o, down, mute buttons / r e jack (3.5 mm) / no line rd / supervisor passwor em 2.0 ³³ / hardware key s encryption / enhances \	no intern in jack d / secur storage /	al mic / rity keyho	le Asset II acces PC 2001 ACPI 1.									
Limited warranty ¹² Service options	Service upgrades	²² provide up	to five	years c	e pickup and delivery of onsite or depot repair s arranty period)	ervice c	overage	PXE 2.0 IBM Ima IBM Ra	-compliant geUltra™ So oid Restore	· ervices a\ PC availa	ble to						
from date of ThinkPad purchase (including warranty period) 128 MB PC2100 DDR-SDRAM CL2.5 SOD 10K0028 ThinkPad Port Replicator 02K8667 256 MB PC2100 DDR-SDRAM CL2.5 SOD 10K0030 Totable Drive Bay 2000 (accepts Ultrabay 512 MB PC2100 DDR-SDRAM CL2.5 SOD 10K0032 2000 media and storage devices) 19K4480 1BM ThinkPad Ultrabay Plus Carrier 22P5737 ThinkPad R32/R40 Li-lon Battery 02K7052									protect software image and data International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²								
			7330	ThinkPa ThinkPa	/ 2000 Li-lon battery ad 72W AC Adapter ad 72W DC Auto Adapte Li-lon/NiMH Battery Cha		02K6646 02K6699 10K3820 02K6719	Service	Pac ^{®, 22} 2yr I Pac 3yr IOR	9x5 NBD	30L9190						
24X-10X CD-ROM Ultralight 8X Max I	1 Ultrabay 2000 Dri DVD Ultrabay 2000	ve 05K9 22P9	9233 2 9102 4	20GB H 40GB H	ard Disk 9.5mm (4200 rp S Hard Disk 9.5mm (540	om) 00 rpm)	08K9686 08K9816	Service	Pac 4yr IOR	9x5 NBD	9P9198						
	nbo III Ultrabay 200 oter for Ultrabay 20 able Diskette Drive		6068 I	BM 128	3-Button Travel Wheel M BMB USB 2.0 Memory Ke pint Cap Collection		31P7410 22P8998 73P2698	3	Pac 5yr IOR Pac 4yr P&L	6	59P9200						
IBM High Rate Win	reless LAN Mini PC eless 802.11b Mini reless LAN PC Car) 22P7 PCI 31P8	7701 I 3301 I	BM US BM 1G	B 2.0 Portable CD-RW I B Microdrive™ with PC C otions at ibm.com /pc/us	Card	22P5297 07N5574	,	Pac 5yr P&L	e. P/U Dep .	69P9199						

	Speed	Disk	Mini PCI Comm Bay	Ethernet IEEE CDC on 1394 S	Preload Small Workhorse (W) ecurity business or Global (G) Avail
Type-model Proces		GB ⁸ Optical	wireless/modem	modem planar port	
2658-N3U Pentium 2658-N4U Pentium 2658-K7U Pentium 2658-KAU Pentium Pentium 2658-KAU Pentium Pentium 2658-KAU Pentium Pentium 2658-KAU Pentium Pentium Pentium Pentium Pentium Pentium Pentium Pentium 2658-KAU Pentium Pentium Pentium 2658-KAU Penti	1.5 128MB 14.1" XGA 14-M 1.8 256MB 14.1" XGA 14-M 2.0 256MB 14.1" XGA 14-M 2.0 256MB 14.1" XGA 14-M 2.0 256MB 14.1" XGA 14-M 1.7 128MB 14.1" XGA	20G DVD 30G DVD 30G DVD 20G DVD 20G CD 30G Combo 40G Combo 40G Combo 40G Combo 20G CD 20G CD 20G DVD 20G DVD	11b Wi-Fi/modem Open Open	Modem 10/100 Open 10/100	XP Pro Sep 2002 XP Pro Sep 2002
Positioning Processor	Best blend of portability and Mobile Intel® Celeron 1.5G			n	SOFTWARE ¹⁴
L2 cache Memory Diskette drive CD DVD Combo Ultrabay 2000	Mobile Intel Pentium 4 Procenhanced Intel SpeedStep TM Celeron: 256KB; Pentium 4 128 or 256MB std / 1GB matwo 200-pin SO-DIMM sock None standard / use optiona Some: CD-ROM / 24X-10X Some: DVD-ROM / 8X-3.3 Some: DVD-ROM/CD-RW One modular bay for interch.	tessor-M 1.7, technology a -M: 512KB; A x7 / PC2100 2 ets / std mem 1 Ultrabay 9 speed / boot K8 speed / boo / 8X/8X/24X/8 angeable devi	1.8, or 2.0GHz with and 400MHz frontside III: on die (at processor 66MHz DDR-SDRAM ory in one socket / one ased or USB-based diable / removable from table / removable from BX ²¹ speed / removable ices / Ultrabay Plus-co	speed) / ECC / non-parity / CL2.5 / socket available skette drive Ultrabay 2000 to Ultrabay 2000	Windows XP Pro models - Microsoft® Windows® XP Professional® ◆ Disk-to-Disk Recovery (in hidden Service Partition) Windows XP Home models - Microsoft Windows XP Home® ◆ Disk-to-Disk Recovery (in hidden Service Partition) INCLUDED SOFTWARE¹⁴(all)
Display	20GB ⁸ , 30GB, or 40GB / 420 supports 2nd disk with option 14.1" (358.1mm) XGA (1024	nal HDD Adapt Ix768) TFT co	ter in Ultrabay 2000 Nor / Active Matrix / 150) nits /	Preloaded • Access ThinkPad
Graphics controller	easy-open cover to unlatch a ATI® Mobility™ RADEON™		, ,	M	- Access Connections - Access Help
Graphics - external	External monitor support via	analog DB-15	connector/up to 1600	x1200 at 85Hz / DDC2B	- Access Support Adobe Acrobat Reader
Keyboard TrackPoint [®] ThinkLight™	87-key / ThinkPad Button / p TrackPoint® pointing device Illuminates the keyboard to	"Press-to-Se	lect," Internet Scroll Ba	ır ¹³ , magnifying glass	InterVideo WinDVD (DVD models) Norton AntiVirus (OEM edition) PC-Doctor™
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	12.3" x 10.0" x 1.5"; 313mm with optical drive and battery Color: Black; All: ABS plast Lithium Ion 8-cell / intelligen Celeron model: 3.1 hrs; wire	: 5.9 to 6.2 lb: ic t / supports un	s (2.6 to 2.7 kg) depen ique 2nd battery in Ultra	abay 2000	ThinkPad Utilities IBM RecordNOW and DLA by Veritas (combo models) IBM Update Connector™.15 IBM Rapid Restore™ PC
Architecture Port Replicator PC Card Std slots Ports	Intel 845MP chipset / 82845 82801CAM ICH3-M I/O Con Low Pin Count (LPC) interfa PCI1410A CardBus controll LPC bus 33MHz (security chi Optional ThinkPad Port Re One Type II or one Type III / Two USB (Version 1.1) / par RJ-11 (modem) / RJ-45 (eth	troller Hub (A'ce, USB, Firmer, TSB43AB2) ip; PC87392 plicator (no TCardBus 32-lallel / externa	TA-100 EIDE, PCI bus 2 nware Hub) / PCI bus 2 1 1394 (some), Mini PC Super I/O for diskette, hinkPad Dock support bit / PCMCIA 2.1 / inte I monitor (DB-15) / infr	, ethernet MAC, .2 32-bit, 33MHz (TI® l, external expansion) / parallel, infrared)) grated door ared (4Mbps) /	Downloadable IBM Director Agent Software Delivery Assistant System Migration Assistant Client Security Software (models with security chip) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client
Video out	S-video out port (TV out) / or	ne industry sta	andard connector	nai port	Office XP Small Business model
Mini PCI 11b Wi-Fi ³² /mod 802.11b	N5U: Mini PCI 802.11b wir chipset, dual antenna	ommunication wireless ⁴ , Inte e), Wi-Fi-certif igned ²⁹) mode eless ⁴ , Cisco [®] as (in side of d	is Bay) / customer upg ersil® Prism 2.5 chipset, ied / em combo, Agere® chip e Aironet® Wireless 802 isplay and in base), Wi-	dual antennas (in side set 2.11b with custom Fi-certified	only (2658-K8U/KCU/LHU) - Microsoft Office XP Small Business ²⁸ (Word, Excel, Outlook, Publisher, Small Business Tools) Office XP Small Business CD
Wireless upg ³⁶ CDC	Some: Dual antennas (in dis One Communications Daugh	play and in ba nter Card (CD)	ase) for wireless connects) socket (open or mod	ctivity Mini PCI options em) / not accessible	Universal 72 watt AC adapter
Modem Ethernet Audio support	Some: 56K ⁶ V.90 (V.92-des 10/100 ethernet on motherbo Soft audio / ICH AC97 contro codec / stereo speakers / 1	igned ²⁹) mode pard / Intel 825 oller / SoundB watt / volume	m in CDC / Ågere® chip 62ETchipset (physical laster Pro™-compatibl up, down, mute button	set layer) e / AD1881A AC97 s / no internal mic /	Asset ID (system-specific info in chip accessed over network) PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant
Security	microphone input jack (3.5 r Power-on password / hard of Some: IBM Embedded Se factor authentication / local of 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lisk password curity Subsys ile encryption	/ supervisor password stem 2.0 ³³ / hardware k / enhances VPN secu	/ security keyhole sey storage / multi- rity ¹⁶ / TCG-compliant	CIM and DMI 2.0-compliant IBM Rapid Restore PC available to protect software image and data International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware
Limited warranty ¹² 128 MB PC2100 DI	<u>1 year - EasyServ™.19 onsite</u> DR-SDRAM CL2.5 SOD 10k	· · · · · · · · · · · · · · · · · · ·	elivery / service upgrad Pad Port Replicator	02K8667	support during the warranty ¹²
256 MB PC2100 DI 512 MB PC2100 DI Ultralight 8X Max I CD-RW/DVD Com	DR-SDRAM CL2.5 SOD 10k DR-SDRAM CL2.5 SOD 10k OVD Ultrabay 2000 22F bo IV Ultrabay 2000 22F oter for Ultrabay 2000 08k	0030 Portab 0032 200 9102 Thinkl 6991 Ultrab 6068 Thinkl	ole Drive Bay 2000 (ac 00 media and storage o Pad R32/R40 Li-Ion Ba ay 2000 Li-Ion battery Pad 72W AC Adapter	cepts Ultrabay devices) 19K4480 ttery 02K7052 02K6646 02K6699	ServicePac®, 22 1yr IOR 9x5 NBD 30L9188 ServicePac 3yr P&L P/U Depot 30L9192 Other ServicePac options at the servicePac is the service of the
	m.com/pc/us/accessories		HS Hard Disk 9.5mm (1a/b/g Wireless CardBu		ibm.com/services/its/us/source/ wamomxeu.pdf

			Mini PCI		Ethernet		khorse (W)					
Type-model Proce	Speed essor GHz Memory Scre	Disk en GB [®] Optica	Comm Bay Il wireless/modem	CDC modem	on Sec planar Ch		Blobal (Ġ) Avail model date					
2659-N3U Pentium 2659-N4U Pentium 2659-N5U Pentium	1° 4-M 1.8 256MB 14.1° 14-M 2.0 256MB 14.1° 14-M 2.0 256MB 14.1° 14-M 2.0 256MB 14.1° 14-M 2.0 256MB 14.1°	XGA 30GB DVD XGA 30GB DVD XGA 30GB DVD	Open (wireless upg ³⁶) 11b Wi-Fi ³² /modem Cisco® 802.11b	Modem	10/100 10/100 Ye 10/100 Ye	XP Pro 3 years W XP Pro 3 years W es XP Pro 3 years W es XP Pro 3 years W	/ G Sep 2002 / G Sep 2002					
				ms nave a	a i year iiiii	ted warranty)						
Positioning Processor L2 cache Memory	512KB / on die (at proce 256MB std / 1GB max ⁷ /	4 Processor-M 1.8 ep™ technology¹ a ssor speed) / ECC PC2100 266MHz		ty / CL2.5		SOFTWAI Windows XP Pro mod - Microsoft® Windows® Professional® ◆ Disk-to-Disk Recover	els XP					
Diskette drive DVD Ultrabay 2000 Disk	DVD-ROM / 8X-3.3X9 sp	peed / bootable / re erchangeable devic om / upgradable / S		000	patible	(in hidden Service Partition) INCLUDED SOFTWARE ¹⁴ (all) Preloaded • Access ThinkPad						
Display	14.1" (358.1mm) XGA (or / Active Matrix / 150 ni	ts/		 Access Connections Access Help 	8					
	ATI® Mobility™ RADEC External monitor support 87-key / ThinkPad Butto TrackPoint® pointing dev	N™ 7000 / AGP 43 via analog DB-15 on / palm rest / pitch rice, "Press-to-Sele	K / 16MB DDR-SDRAM	(std-size l magnifyi	keys) ng glass	 Access Support Adobe Acrobat Reade InterVideo WinDVD (I Norton AntiVirus (OEI PC-Doctor™ ThinkPad Utilities 	DVD models)					
Dimensions ³	12.3" x 10.0" x 1.5"; 313 with optical drive and ba Color: Black; All: ABS p	mm x 254mm x 38n ttery: 6.0 lbs (2.7 k lastic gent / supports unio	nm (g) que 2nd battery in Ultraba			 IBM Update Connecte IBM Rapid Restore™ Downloadable IBM Director Agent Software Delivery Ass 	PC sistant					
Port Replicator PC Card Std slots Ports Video out IEEE 1394	Low Pin Count (LPC) int PCI1410A CardBus con LPC bus 33MHz (securi Optional ThinkPad Port One Type II or one Type Two USB (Version 1.1)	Controller Hub (AT erface, USB, Firm troller, TSB43AB21 ty chip; PC87392 S it Replicator (no Trell III / CardBus 32-b / parallel / external (ethernet) / no keyl	A-100 EIDE, PCI bus, et ware Hub) / PCI bus 2.23 1394 (some), Mini PCI, es buper I/O for diskette, par inkPad Dock support) it / PCMCIA 2.1 / integramonitor (DB-15) / infrare board or mouse or serial	2-bit, 33N xternal exp allel, infra ted door d (4Mbps	MHz (TI® pansion) / ared)	System Migration Assistant Client Security Software (models with security chip) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client						
	N4U: Mini PČİ 11b Wi of display and in 56K ⁶ V.90 (V.92-	-Fi³² wireless⁴, Inter base), Wi-Fi-certific designed²9) moder	ed / n combo, Agere® chipset	al antenn		Ultrabay Plus integrate						
802.11b Wireless upg³6 CDC Modem Ethernet Audio support	chipset, dual ant Some: Dual antennas (i One Communications D. Some: 56K ⁶ V.90 (V.92- 10/100 ethernet on moth Soft audio / ICH AC97 c codec / stereo speakers	ennas (in side of dis n display and in bas aughter Card (CDC designed ²⁹) moden erboard / Intel 8256 ontroller / SoundBla / 1 watt / volume u	Aironet® Wireless 802.11 splay and in base), Wi-Fi-se) for wireless connective) socket (open or modem in CDC / Agere® chipset 2ETchipset (physical lays aster Pro™.compatible / p, down, mute buttons / lne jack (3.5 mm) / no line pack (3.5 mm) / no line	certified ity Mini P() / not acc er) AD1881A no interna	Cl options essible	supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, diskette drive, or Zip drive; the optiona Ultrabay Plus Device Carrier adds potential functionality by supporting the Ultrabay Plus Numeric Keypad and Cradle for the WorkPad® c500 Series Universal 72 watt AC adapter						
Security	All: Power-on password Some: IBM Embedded	l / hard disk passw Security Subsyst	ord / supervisor passwor em 2.0 ³³ / hardware key e encryption / enhances \	d / securi storage /	, ,	Asset ID (system-spec accessed over network PC 2001-compliant ACPI 1.0b and 2.0-comp CIM and DMI 2.0-comp	prk) pliant					
Limited warranty ¹²	3 years/1 year battery - available	EasyServ ^{TM,19} onsi	te pickup and delivery / s	ervice up(grades ²²	PXE 2.0-compliant IBM ImageUltra™ Servi	ces available					
256 MB PC2100 D 512 MB PC2100 D IBM ThinkPad Ultr IBM ThinkPad Ultr	DR-SDRAM CL2.5 SOD DR-SDRAM CL2.5 SOD DR-SDRAM CL2.5 SOD abay Plus Carrier abay Plus c500 Cradle Plus Numeric Keypad	10K0030 Portab 10K0032 2000 22P5737 ThinkP 22P5738 Ultraba	lad Port Replicator le Drive Bay 2000 (accep o media and storage dev lad R32/R40 Li-lon Batte lay 2000 Li-lon battery ad 72W AC Adapter	ots Ultraba rices) ry	19K4480 02K7052 02K6646	IBM Rapid Restore PC protect software imag International Warranty 24 hour x 7 day 18 toll-fre support during the way ServicePac®, 22 2yr IOR	available to ge and data Service ¹⁷ ee hardware arranty ¹²					
Travel Bezel for Ul Zip 250MB Ultraba	trabay 2000	08K6070 ThinkP	ad 72W AC/DC Combo A e Li-Ion/NiMH Battery Ch	Adapter	22P9010 02K6719	ServicePac 3yr IOR 9x	30L9190					
24X-10X9 CD-ROI	M Ultrabay 2000 Drive DVD Ultrabay 2000	05K9233 20GB 22P9102 40GB	Hard Disk Drive Hard Disk Drive	J	08K9686 08K9687	ServicePac 4yr IOR 9x	30L9197					
CD-RW/DVD Com Second HDD Adap	nbo IV Ultrabay 2000 oter for Ultrabay 2000	22P6991 40GB F 08K6068 Optical	HS Hard Disk Drive (5400 3-Button Travel Wheel M	rpm) louse	08K9816 31P7410	ServicePac 5yr IOR 9x	69P9198					
ThinkPad Remova	ible Diskette Drive reless LAN PC Card 128	08K9603 IBM 12 09N9904 TrackP	8MB USB 2.0 Memory Ke Point Cap Collection		22P8998 73P2698	ServicePac 4yr P&L P/	69P9200 U Depot					
Cisco Aironet Wire	reless LAN Mini PCI eless 802.11b Mini PCI ess CardBus Adapter	31P8301 ThinkP	SB 2.0 Portable CD-RW ad USB 2.0 PC CardBu options at ibm.com /pc/us	s Adpter		ServicePac 5yr P&L P/	69P9199 U Depot 69P9201					