Type-model Proce	Speed essor GHz Memory Screen	Disk touch Comm Bay modem or o grade of the pad bluetooth™ plant of the pad bluetooth™ plant of the page of the p	nar Chip software model date
2366-63U Pentium 2366-83U Pentium 2366-82U Pentium 2366-84U Pentium 2366-85U Pentium 2366-91U Pentium 2366-92U Pentium		40GDVD11b Wi-Fi/modemOpen1040GDVDYes Cisco 802.11bModem1040HSComboYes Open (wireless upg)Modem10	0/100 XP Pro W G May 2002 0/100 XP Pro W G May 2002 0/100 XP Pro W G May 2002 0/100 Yes XP Pro W G May 2002 0/100 Yes XP Pro W G May 2002 0/100 Yes XP Pro W May 2002 0/100 Yes XP Pro May 2002 0/100 Yes XP Pro May 2002 0/100 Yes XP Pro May 2002
Positioning Processor	The perfect balance of perform Mobile Intel® Pentium® 4 Pro	ance and portability; two-spindle system	SOFTWARE ¹⁴
L2 cache Memory	enhanced Intel SpeedStep™ to 512KB / on die (at processor s 256MB standard / 1GB max ⁷ /	echnology ¹ and 400MHz frontside bus	Windows XP Pro models - Microsoft® Windows® XP Professional ²⁰ ⇒ Disk-to-Disk Recovery
Diskette drive DVD Combo Ultrabay 2000 Disk	Some: DVD-ROM / 8X-3.3X° some: DVD-ROM/CD-RW / 8. One modular bay for interchar 20GB° or 40GB (4200 rpm) or	Jltrabay™-based or USB-based diskette drive peed / bootable / removable from Ultrabay 2000 (/8X/24X/8X ²¹ speed / removable from Ultrabay 2000 geable devices (right side) / Ultrabay Plus -compatible 40GB HS (5400 rpm) / upgradable / S.M.A.R.T. / HDD Adapter in Ultrabay 2000 / HDD Shock Absorber	(in hidden Service Partition) INCLUDED SOFTWARE¹⁴ (all) Preloaded • Access ThinkPad - Access Connections
Display	Some: 14.1" (358.1mm) SXG All: Easy-open cover to un	(1024x768) TFT color / Active Matrix / 150 nits A+ (1400x1050) TFT color / Active Matrix / 150 nits atch and open with one hand	- Access Help - Access Support • Adobe Acrobat Reader • InterVideo WinDVD (DVD models)
	External monitor support via ar	500 / AGP 4X / 16MB DDR-SDRAM 364MHz lalog DB-15 connector / up to 2048x1536x16.7M colors nal digital monitor ^s via the Digital Video Interface (DVI) cking solutions	PC-Doctor™ ThinkPad I Itilities
Keyboard TrackPoint® Touch pad ThinkLight™	TrackPoint® pointing device, "I Some: UltraNav multi-pointing	m rest / pitch: 19mm; stroke: 2.7mm (std-size keys) Press-to-Select," Internet Scroll Bar ¹³ system / touch pad below keyboard / Tap Zones prove visibility in low-light conditions / no UltraPort TM	Downloadable • IBM Rapid Restore™ PC • IBM Data Transfer • IBM Director Agent
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	Titanium Composite in the to	5.33 to 5.67 lbs (2.42 to 2.57 kg) depending on model p and bottom covers for enhanced strength supports unique 2nd battery in Ultrabay 2000	Client Security Software (models)
Architecture Docking Station PC Card Std slots Ports	82801CAM ICH3-M I/O Control Low Pin Count (LPC) interface 33MHz (TI® PCI1520 CardBus LPC bus 33MHz (security chic Optional ThinkPad Dock (inc 2 Type I, 2 Type II, or 1 Type I Two USB (Version 1.1) / 9-pin	P Memory Controller Hub (MCH-M) / bller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, s, USB [Bluetooth], Firmware Hub) / PCI bus 2.2 32-bit, controller, Mini PCI, external expansion) / ; PC87392 Super I/O for diskette, serial, par, infrared) udes Ultrabay 2000 and half-size PCI slot) II / CardBus 32-bit / PCMCIA 2.1 serial / parallel / external DB-15 monitor / infrared -45 (ethernet) / no keyboard or mouse port (use USB)	Office XP Small Business model only (2366-C1U) - Microsoft Office XP Small Business ²⁸ (Word, Excel, Outlook, Publisher, Small Business Tools) Office XP Small Business CD
Video out Mini PCI 11b Wi-Fi ³² /mod	Some: Mini PCI 11b Wi-Fi ³² w chipset, dual antennas	industry standard connector imunications Bay) / customer upgradable ^{4,36} reless ⁴ , Intel PRO/Wireless LAN with Intersil® Prism 2.4 in display cover, Wi-Fi-certified / ed ²⁹) modem combo, Agere® chipset	diskette drive, or Zip drive; the optional
802.11b CDC Modem	Some: Mini PCI 802.11b wirele chipset, dual antennas One Communications Daughte	ess ⁴ , Cisco® Aironet® Wireless 802.11b, Prism 2.0 in display cover, Wi-Fi-certified er Card (CDC) socket / customer accessible led ²⁹) modem in CDC / Agere® chipset	Ultrabay Plus Device Carrier adds potential functionality by supporting the Ultrabay Plus Numeric Keypad and Cradle for the WorkPad® c500 Series
Bluetooth™ Ethernet Audio support	Some: Bluetooth wireless tech 10/100 ethernet on motherboa Soft audio / ICH AC97 controll codec / stereo speakers / 1 wa	nology / on CDC / power button on display d / Intel 82562ETchipset (physical layer) er / SoundBlaster Pro™-compatible / AD1881A AC97 ttt / volume up, down, mute buttons / internal mic / n) / headphone jack (3.5 mm) / line in jack (3.5 mm)	Universal 72 watt AC adapter Asset ID ^{TM,34} (system-specific info in chip accessed over network) PC 2001-compliant
Security Security chip	Power-on password / hard dis Some: IBM Embedded Secu factor authentication / local file	k password / supervisor password / security keyhole ity Subsystem 2.0³³ / hardware key storage / multi- encryption / enhances VPN security¹6 / TCG-complia	ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant
256 MB PC2100 D 512 MB PC2100 D IBM 11a/b/g Wirele IBM ThinkPad Ultr	DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0 ess CardBus Adapter 31P9	O30 ThinkPad Removable Diskette Drive 08K960 O32 Portable Drive Bay 2000 (accepts Ultrabay 101 2000 media and storage devices) 19K448 O37 ThinkPad T30 Series Li-Ion Battery 02K705	IBM Rapid Restore PC available to protect software image and data International Warranty Service ¹⁷ Personalized Web-based support ³¹ Proactive e-mail updates ³¹ 24 hour x 7 day ¹⁸ toll-free hardware
Zip 250MB Ultraba 24X-10X CD-ROM Ultralight 8X Max II CD-RW/DVD Com Second HDD Adap IBM High Rate Wii		253 ThinkPád 72W AC Adapter 02K669 233 ThinkPad 72W AC/DC Combo Adapter 22P901 102 Multiple Li-lon/NiMH Battery Charger 02K671 991 20GB Hard Disk 9.5mm (4200 rpm) 08K968 068 40GB HS Hard Disk 9.5mm (5400 rpm) 08K986 701 80GB Hard Disk 9.5mm (4200 rpm) 08K986	ThinkPad Port Replicator 02K8667 ThinkPad Dock 263120U 6 ServicePac®.22 2yr IOR 9x5 NBD 30L9190

		DI	
Type-model Proce		UltraNav [™] Mini PCI CDC Ether Disk touch Comm Bay modem or on GB ⁸ Optical pad wireless/modem Bluetooth [™] plan	Security business or Global (G) Avail
2366-23U Pentium 2366-41U Pentium 2366-43U Pentium 2366-42U Pentium 2366-44U Pentium 2366-51U Pentium 2366-52U Pentium 2366-G1U Pentium	4-M 1.8 256MB 14.1" SXGA- 4-M 1.8 256MB 14.1" XGA	40GDVD11b Wi-Fi/modemOpen 10/40GDVDYes Cisco 802.11bModem 10/40HSComboYes Open (wireless upg)Modem 10/40HSComboYes 11b Wi-Fi/modemBluetoo 10/40GDVDYes Open (wireless upg)Modem 10/	100 W2000 W G May 2002 100 W2000 W G May 2002 100 W2000 W G May 2002 100 Yes W2000 W G May 2002 100 Yes W2000 W G May 2002 100 Yes W2000 W May 2002 100 Yes W2000 May 2002 100 Yes W2000 May 2002 100 W2000 May 2002 100 W2000 Office ²⁸ W May 2002
Positioning Processor L2 cache Memory	Mobile Intel® Pentium® 4 Proenhanced Intel SpeedStep™ t 512KB / on die (at processor s 256MB standard / 1GB max² /	echnology ¹ and 400MHz frontside bus	SOFTWARE ¹⁴ Windows 2000 models - Microsoft® Windows® 2000 Professional ²⁰ • ConfigSafe®
Diskette drive DVD Combo Ultrabay 2000 Disk	Some: DVD-ROM / 8X-3.3X ⁹ : Some: DVD-ROM/CD-RW / 8 One modular bay for interchar 20GB ⁸ or 40GB (4200 rpm) or	Ultrabay™-based or USB-based diskette drive speed / bootable / removable from Ultrabay 2000 k/8X/24X/8X ²¹ speed / removable from Ultrabay 2000 geable devices (right side) / Ultrabay Plus -compatible 40GB HS (5400 rpm) / removable / 9.5 or 12.5mm bay* I HDD Adapter in Ultrabay 2000 / HDD Shock Absorber	 Disk-to-Disk Recovery (in hidden Service Partition) INCLUDED SOFTWARE¹⁴ (all) Preloaded Access ThinkPad
Display	Some: 14.1" (358.1mm) SXG All: Easy-open cover to un	(1024x768) TFT color / Active Matrix / 150 nits A+ (1400x1050) TFT color / Active Matrix / 150 nits at (1400x1050) TFT color / Active Matrix / 150 nits at (1400x1050) TFT color / Active Matrix / 150 nits at (1400x1050) TFT color / Active Matrix / 150 nits	- Access Connections - Access Help - Access Support - Adobe Acrobat Reader
	External monitor support via a	500 / AGP 4X / 16MB DDR-SDRAM 364MHz nalog DB-15 connector / up to 2048x1536x16.7M colors a rnal digital monitor via the Digital Video Interface (DVI) po g solutions	ThinkPad UtilitiesVeritas RecordNOW (CD-RW mod)
Keyboard TrackPoint® Touch pad ThinkLight™	TrackPoint® pointing device, " Some: UltraNav multi-pointing	m rest / pitch: 19mm; stroke: 2.7mm (std-size keys) Press-to-Select," Internet Scroll Bar¹³ system / touch pad below keyboard / Tap Zones prove visibility in low-light conditions / no UltraPort™	 IBM Update Connector™.15 Downloadable IBM Rapid Restore™ PC IBM Data Transfer
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	12.0" x 9.8" x 1.4"; 304mm x 2: with optical drive and battery: Titanium Composite in the to	50mm x 36.6mm 5.33 to 5.67 lbs (2.42 to 2.57 kg) depending on model p and bottom covers for enhanced strength supports unique 2nd battery in Ultrabay 2000	IBM Director Agent Client Security Software (models with security chip) License (CD not included) Lotus® SmartSuite® Millennium and
Architecture Docking Station PC Card Std slots Ports	82801CAM ICH3-M I/O Contr Low Pin Count (LPC) interface 33MHz (TI® PCI1520 CardBus LPC bus 33MHz (security chip Optional ThinkPad Dock (inc 2 Type II, or 1 Type Two USB (Version 1.1) / 9-pin	P Memory Controller Hub (MCH-M) / Oller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, ethernet MAC, ethernet MAC, ethernet MAC, ethernet MAC, ethernet MAC, ethernet Macket Ma	Lotus Notes® Stand-alone Client Office XP Small Business model only (2366-G1U) - Microsoft Office XP Small Business²² (Word, Excel, Outlook, Publisher, Small Business Tools) Office XP Small Business CD
Video out Mini PCI 11b Wi-Fi³²/mod 802.11b CDC Modem Bluetooth™	S-video out port (TV out) / one One Mini PCI type III slot (Cor Some: Mini PCI 11b Wi-Fi ³² w chipset, dual antennas 56K ⁶ V.90 (V.92-design Some: Mini PCI 802.11b wirel chipset, dual antennas One Communications Daughte Some: 56K ⁶ V.90 (V.92-design		Ultrabay Plus integrated modular bay 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
Ethernet Audio support Security Security chip	10/100 ethernet on motherboa Soft audio / ICH AC97 controll codec / stereo speakers / 1 w microphone input jack (3.5 m Power-on password / hard dis Some: IBM Embedded Secu	rd / Intel 82562E Tchipset (physical layer) er / SoundBlaster Pro™-compatible / AD1881A AC97 att / volume up, down, mute buttons / internal mic / n) / headphone jack (3.5 mm) / line in jack (3.5 mm) k password / supervisor password / security keyhole erity Subsystem 2.0³³ / hardware key storage / multi- erencryption / enhances VPN security¹⁶ / TCG-compliant	
256 MB PC2100 D 512 MB PC2100 D IBM ThinkPad Ultr	DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0	 ThinkPad Removable Diskette Drive 08K960 Portable Drive Bay 2000 (accepts Ultrabay 2000 media and storage devices) 19K448 	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²
ThinkPad Ultrabay Zip 250MB Ultraba 24X-10X CD-ROM Ultralight 8X Max I CD-RW/DVD Com Second HDD Ada IBM High Rate Wi	y Plus Numeric Keypad ay 2000 Drive 00Ni 1 Ultrabay 2000 Drive 05Ki DVD Ultrabay 2000 22P6 ober for Ultrabay 2000 08Ki reless LAN Mini PCI 22P7	/330 Ultrabay 2000 Li-lon battery 02K664 /253 ThinkPad 72W AC Adapter 02K669 /233 ThinkPad 72W AC/DC Combo Adapter 22P901 /102 Multiple Li-lon/NiMH Battery Charger 02K671 /991 20GB Hard Disk 9.5mm (4200 rpm) 08K968 /068 40GB HS Hard Disk 9.5mm (5400 rpm) 08K981 /701 80GB Hard Disk 9.5mm (4200 rpm) 08K986	6 ThinkPad Port Replicator 02K8667 9 ThinkPad Dock 263120U 0 IBM 11a/b/g Wireless CardBus 31P9101 6 ServicePac®.22 2yr IOR 9x5 NBD 30L9190 9 ServicePac 3yr IOR 9x5 NBD
	eless 802.11b Mini PCI 31P8 oortant warranty information	* UltraNav-based systems have 9.5mm bay	30L9197 (T30W2K) © IBM Corp. January 2004

	Speed		Mini PCI CDC	Ethernet or on Se	Preload Small Workhorse (W) curity business or Global (G) Avail
Type-model Proce	ssor GHz Memory Screen	GB ⁸ Optical pad wirel	ess/modem Bluetoot	th™ planar (Chip software model date
2366-86U Pentium 2366-87U Pentium 2366-8AU Pentium 2366-88U Pentium 2366-89U Pentium 2366-96U Pentium 2366-97U Pentium 2366-C6U Pentium	** 4-M 1.9 256MB 14.1" XGA 4-M 2.0 256MB 14.1" XGA 4-M 2.0 256MB 14.1" XGA 4-M 2.0 256MB 14.1" XGA 4-M 1.9 256MB 14.1" XGA 4-M 2.0 256MB 14.1" XGA 4-M 2.0 256MB 14.1" XGA 4-M 2.0 256MB 14.1" SXGA 4-M 2.0 256MB 14.1" SXGA 4-M 2.0 256MB 14.1" SXGA 4-M 2.0 256MB 14.1" SXGA	40HS DVD Yes Open (40HS DVD Yes 11b Wi 40HS DVD Yes Cisco 8 20G DVD Open (40HS DVD 11b Wi 40HS DVD 11b Wi 60G Combo Yes Open (60G Combo Yes Open (40HS DVD Yes Open (wireless upg) Mod wireless upg) Mod -Fi/modem Ope wireless upg) Mod -Fi/modem Blue wireless upg) Mod	dem 10/100 en 10/100 dem 10/100 dem 10/100 dem 10/100 en 10/100 dem 10/100	XP Pro W G Aug 2002 Yes XP Pro W G Aug 2002 Yes XP Pro W G Aug 2002 XP Pro W G Aug 2002 XP Pro W G Aug 2002 Yes XP Pro W G Aug 2002 Yes XP Pro Aug 2002 Yes XP Pro Aug 2002
Positioning Processor	The perfect balance of perform Mobile Intel® Pentium® 4 Pro				SOFTWARE ¹⁴
L2 cache Memory	enhanced Intel SpeedStep™ t 512KB / on die (at processor s 256MB standard / 1GB max ⁷ two 200-pin SO-DIMM socket	echnology¹ and 400MHz fror peed) / ECC PC2100 266MHz DDR-SDF s / 256MB in one socket / on	ntside bus RAM / non-parity / C e socket available	CL2.5/	Windows XP Pro models Microsoft® Windows® XP Professional™ Disk-to-Disk Recovery (in hidden Service Partition)
Diskette drive DVD Combo Ultrabay 2000 Disk	None standard / use optional Some: DVD-ROM/8X-3.3X° Some: DVD-ROM/CD-RW/1 One modular bay for interchat 20GB8 (4200 rpm) or 40GB H supports 2nd disk with optional	speed / bootable / removable 6X/10X/24X/8X ²¹ speed / rer ngeable devices (right side) / 6 (5400 rpm) or 60GB (4200 I HDD Adapter in Ultrabay 20	e from Ultrabay 2000 novable from Ultrab Ultrabay Plus-comp rpm) / 9.5 or 12.5 mi 000 / HDD Shock Ab	patible Implement Implemen	NCLUDED SOFTWARE ¹⁴ (all) Preloaded Access ThinkPad - Access Connections
Oranbias controller	Some: 14.1" (358.1mm) XGA Some: 14.1" (358.1mm) SXG All: Easy-open cover to un ATI® Mobility™ RADEON™ 7	À+ (1400x1050) TFT color / latch and open with one hand	Active Matrix / 150 r d (two latches)	•	- Access Help - Access Support • Adobe Acrobat Reader • IBM Rapid Restore™ PC
	External monitor support via a 75Hz / DDC2B / supports exte on either of the optional dockir	nalog DB-15 connector / up to rnal digital monitor via the Dig	2048x1536x16.7M	(DVI) port	 InterVideo WinDVD (DVD models) PC-Doctor™ ThinkPad Utilities Veritas RecordNOW (Combo mod)
Keyboard TrackPoint® Touch pad ThinkLight™	87-key / ThinkPad Button / pa TrackPoint® pointing device, " Some: UltraNav multi-pointing Illuminates the keyboard to im	Press-to-Select," Internet Sc g system / touch pad below k	roll Bar ¹³ ` eyboard / Tap Zone	es Port TM	■ IBM Update Connector ^{TM,15} Downloadable ■ IBM Director Agent ■ Software Delivery Assistant
Dimensions ³ Approximate weight ² Case material Battery - type Battery - life ¹⁰	12.0" x 9.8" x 1.4"; 304mm x 2 with optical drive and battery: Titanium Composite in the to Lithium Ion 6-cell / intelligent <i>Wireless 87U/8AU/89U/97U:</i>	5.33 to 5.67 lbs (2.42 to 2.57 pp and bottom covers for enh supports unique 2nd battery	anced strength in Ultrabay 2000	model	System Migration Assistant Client Security Software (models with security chip) License (CD not included) Lotus® SmartSuite® Millennium and
Architecture Docking Station PC Card Std slots Ports	Intel 845MP chipset / 82845M 82801CAM ICH3-M I/O Contr Low Pin Count (LPC) interfac 33MHz (TI® PCI1520 CardBu LPC bus 33MHz (security chip Optional ThinkPad Dock (ind 2 Type I, 2 Type II, or 1 Type Two USB (Version 1.1) / 9-pir (4Mbps) / RJ-11 (modem) / RJ	oller Hub (ATA-100 EIDE, Þ(e, USB [Bluetooth], Firmware s controller, Mini PCI, externa o; PC87392 Super I/O for dis ludes Ultrabay 2000 and hal III / CardBus 32-bit / PCMCI, serial / parallel / external DE	CI bus, ethernet MA e Hub) / PCI bus 2.2 l expansion) / kette, serial, par, in f-size PCI slot) A 2.1 3-15 monitor / infran	red	Lotus Notes® Stand-alone Client Office XP Small Business model only (2366-C6U) Microsoft Office XP Small Business²8 (Word, Excel, Outlook, Publisher, Small Business Tools) Office XP Small Business CD
Video out Mini PCI 11B Wi-Fi ³² /mod	S-video out port (TV out) / one One Mini PCI type III slot (Cor Some: Mini PCI 11B Wi-Fi ³² w chipset, dual antennas	industry standard connecto	r er upgradable LAN with Intersil® Pr ed /	rism 2.5	Universal 72 watt AC adapter Asset ID ^{TM,34} (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant
802.11b CDC Modem Bluetooth™ Ethernet Audio support	Some: Mini PCI 802.11b wirel	ess⁴, Cisco® Aironet® Wireles in display cover, Wi-Fi-certifie er Card (CDC) socket / custon ned²®) modem in CDC / Agere nnology / on CDC / power but rd / Intel 82562ETchipset (ph ler / SoundBlaster Pro™-com	ss 802.11b, Prism 2. ed mer accessible © chipset ton on display ysical layer) ipatible / AD1881A /	AC97	PXE 2.0-compliant BM ImageUltra TM Services available BM Rapid Restore PC available to protect software image and data international Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²
Security Security chip	microphone input jack (3.5 mm Power-on password / hard dis Some: IBM Embedded Secu factor authentication / local file	n) / headphone jack (3.5 mm k password / supervisor pas rity Subsystem 2.0 33 / hard	n) / line in jack (3.5 n ssword / security key ware key storage / r	mm) yhole multi-	
Limited warranty ¹²	3 years/1 year battery - Easy		 		ThinkPad Port Replicator 02K8667 ThinkPad Dock 263120U
256 MB PC2100 D 512 MB PC2100 D IBM ThinkPad Ultr ThinkPad Ultrabay SuperDisk (LS-24/ Zip 250MB Ultraba 24X-10X ⁹ CD-RON Ultralight 8X ⁹ Max CD-RW/DVD Com Second HDD Adap ThinkPad Remova	22P7 0) UltraBay 2000 08K9 01y 2000 Drive 05K8 01 Ultrabay 2000 Drive 05K9 05VD Ultrabay 2000 22P9 01bo IV Ultrabay 2000 08K6	 Portable Drive Bay 200 2000 media and sto 737 ThinkPad T30 Series L Ultrabay 2000 Li-lon be 616 ThinkPad 72W AC Ade 253 Multiple Li-lon/NiMH B 233 IBM High Rate Wireles Cisco Aironet Wireless 20GB Hard Disk 9.5mr 40GB HS Hard Disk 9.5mr 80GB Hard Disk 9.5mr 	00 (accepts Ultrabatorage devices) 1 i-lon Battery 0 attery 0 attery Charger 0 ss LAN Mini PCI 2 s 802.11b Mini PCI 3 n (4200 rpm) 0 m (4200 rpm) 0	19K4480 19K4480 19K4480 19K4680 10ZK6646 10ZK6699 10ZK6719 10Z2P7701 13IP8301 13IP8301 13IP8301 13IP8301 13IP8301 13IP8301 13IP8301 13IP8301 13IP8301 13IP8301	ThinkPad Dock 263120U ServicePac®.22 2yr IOR 9x5 NBD 30L9190 ServicePac 3yr IOR 9x5 NBD 30L9197 ServicePac 4yr IOR 9x5 NBD 69P9198 ServicePac 5yr IOR 9x5 NBD 69P9200 ServicePac 4yr P&L P/U Depot 69P9199 ServicePac 5yr P&L P/U Depot 69P9201
	portant warranty information	* UltraNav-based system	<u> </u>		(T30A) © IBM Corp. January 200

^{*} UltraNav-based systems have 9.5mm bay

Type-model Proce	Speed essor GHz Memory		U Disk GB® Optical	lltraNav™ touch pad	Mini PCI Comm Bay wireless/modem	modem or	thernet Workhorse (W) on Security or Global (G) Avail planar chip Preload or Entry (E) date
2366-JBU Pentiun	n® 4-M 2.2 256MB n 4-M 2.4 256MB n 4-M 2.2 256MB	14.1" SXGA+ 60	OG Combo	Yes 11	b Wi-Fi ³² /modem b Wi-Fi/modem pen (wireless upg ³⁶	Open 1	10/100 Yes XP Pro W G Jan 2003 10/100 Yes XP Pro Jan 2003 10/100 Yes XP Pro Sep 2003
Positioning Processor L2 cache Memory	The perfect balance Mobile Intel® Penti enhanced Intel Spe 512KB / on die (at p 256MB standard /	ium® 4 Processe eedStep™ techno processor speed 1GB max ⁷ / PC2	or-M 2.2 or 2 ology¹ and 4 l) / ECC 100 266MH:	2.4GHz w 00MHz fr z DDR-S	ith ontside bus DRAM / non-parity		SOFTWARE ¹⁴ Windows XP Pro models - Microsoft® Windows® XP Professional ²⁰
Diskette drive Combo Ultrabay 2000 Disk	two 200-pin SO-DII None standard / us DVD-ROM/CD-RW One modular bay fc 40GB ⁸ HS (5400 rp supports 2nd disk w Some: 14.1" (358. Some: 14.1" (358.	e optional Ultrab // 24X/10X/24X or interchangeab m) or 60GB (420 vith optional HDD 1mm) XGA (102 1mm) SXGA+ (1	pay™-based /8X ²¹ speed / 00 rpm), 9.5r O Adapter in 4x768) TFT 400x1050)	or USB-I / remova right side mm / rem Ultrabay color / A TFT colo	pased diskette drive ble from Ultrabay 2)/ Ultrabay Plus -co ovable / 9.5mm hig 2000 / HDD Shock ctive Matrix / 150 ni r / Active Matrix / 15	e 000 ompatible h bay / Absorber ts	Disk-to-Disk Recovery (in hidden Service Partition) Preloaded Access ThinkPad - Access Connections - Access Help - Access Support Adobe Acrobat Reader
	All: Easy-open ATI® Mobility™ RA External monitor su 75Hz / DDC2B / sup on either of the option	ADEON™ 7500 / pport via analog pports external d	AGP 4X / 10 DB-15 conn ligital monito	6MB DD ector/up	to 2048x1536x16.	7M colors at	
Keyboard TrackPoint® Touch pad ThinkLight™ Dimensions³	87-key / ThinkPad TrackPoint® pointin UltraNav multi-poir Illuminates the key 12.0" x 9.8" x 1.4"; 3	g device, "Press nting system / to board to improve	s-to-Select," uch pad belo e visibility in	Internet ow keybo	Scroll Bar ¹³ ard / Tap Zones		Downloadable IBM Director Agent Software Delivery Assistant System Migration Assistant
	with optical drive ar Titanium Compos Lithium Ion 6-cell / i 2.5 hrs	nd battery: 5.67 ite in the top an intelligent / supp	lbs (2.57 kg d bottom cov ports unique 2	vers for e 2nd batte	ry in Ultrabay 2000		Client Security Software License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client
Docking Station PC Card Std slots Ports	Intel 845MP chipse 82801 CAM ICH3-M- Low Pin Count (LP 33MHz (TI® PCI152 LPC bus 33MHz (s Optional ThinkPac 2 Type I, 2 Type II, Two USB (Version (4Mbps) / RJ-11 (m	MI/O Controller I C) interface, US 20 CardBus con ecurity chip; PC I Dock (includes or 1 Type III / C 1.1) / 9-pin seria	Hub (ATA-10 B [Bluetooth troller, Mini P 87392 Supe s Ultrabay 20 ardBus 32-b al / parallel /	00 EIDE, n], Firmwa PCI, extern or I/O for o 000 and h oit / PCM external	PCI bus, ethernet I are Hub) / PCI bus 2 nal expansion) / diskette, serial, par nalf-size PCI slot) o CIA 2.1 DB-15 monitor / inf	2.2 32-bit, , infrared) r Mini Dock rared	
Video out Mini PCI 11b Wi-Fi³²/mod Wireless upg³6 CDC Modem Bluetooth™ Ethernet Audio support Security Security chip	S-video out port (T One Mini PCI type Some: Mini PCI 11 chipset, dua 56K° V.90 (V Some: Wireless up One Communicatio Some: 56K° V.90 (V None 10/100 ethernet on Soft audio / ICH AC codec / stereo spea microphone input ja Power-on passwor IBM Embedded Se authentication / loc	III slot (Commur b Wi-Fi ³² wireles al antennas in dis V.92-designed ²⁹) gradable with wins Daughter Ca V.92-designed ²⁹ ; motherboard / In C97 controller / Sakers / 1 watt / v ack (3.5 mm) / h d / hard disk pas ecurity Subsys	nications Bay ss4, Intel PRC splay cover, V n modem con ireless Mini F rd (CDC) soo n modem in C stel 82562ET soundBlaster olume up, do eadphone ja ssword / sup tem 2.0 ³³ / h	y) / custo D/Wireles Wi-Fi-cer PCI option cket / cus CDC / Age Chipset (I r Pro™-co own, mut ack (3.5 n pervisor p nardware	mer upgradable ss LAN with Intersil® tified / re® chipset ns tomer accessible ere® chipset bhysical layer) bmpatible / AD1887 e buttons / internal nm) / line in jack (3. assword / security key storage / multi	IA AC97 mic / 5 mm) keyhole -factor	Universal 72 watt AC adapter Asset ID ^{TM,34} (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 IBM Rapid Restore PC available to protect software image and data International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²
Limited warranty ¹² Service options	3 years/1 year batt Service upgrades ²² from date of ThinkP	tery - EasyServ provide up to five ad purchase (inc	^{M,19} onsite pions re years of or cluding warra	ckup and nsite or d anty peric	delivery courier ser epot repair service od)	vice coverage	
256 MB PC2100 E 512 MB PC2100 E IBM ThinkPad Ultraba SuperDisk (LS-24 Zip 250MB Ultraba 24X-10X° CD-RO Ultralight 8X° Max CD-RW/DVD Con Second HDD Ada ThinkPad Remova IBM USB Portable IBM 11a/b/g Wirel IBM 128MB USB IBM 256MB USB IBM Portable USE	aý 2000 Drive M Ultrabay 2000 Dri: DVD Ultrabay 2000 Do IV Ultraba	SOD 10K0030 SOD 10K0032 22P5737 08K9616 00K9616 00N8253 ve 05K9233 22P9102 0 22P6991 00 08K6068 08K9603 05K9276 er 31P9101 22P8998 22P9025 22P5297	2000 me ThinkPad 7 Ultrabay 20 ThinkPad 7 ThinkPad 7 Multiple Li- IBM High F Cisco Airor 20GB Hard 40GB HS F 80GB Hard ThinkPad F ThinkPad I ThinkPad I ThinkPad I	edia and F30 Serie F30 Serie F300 Li-lor F2W AC/I F30 AC/	Adapter DC Combo Adapter H Battery Charger Hess LAN Mini PCI less 802.11b Mini PCI mm (4200 rpm) 9.5mm (5400 rpm) mm (4200 rpm) icator icator II	19K4480 02K7050 02K6646 02K6699 22P9010 02K6719 22P7701 CI 31P8301 08K9866 08K9816 08K9869 02K8667 74P6733 287810U 263120U 22P5265	ServicePac®.22 2yr IOR 9x5 NBD 30L9190 ServicePac 3yr IOR 9x5 NBD 30L9197 ServicePac 4yr IOR 9x5 NBD 69P9198 ServicePac 5yr IOR 9x5 NBD 69P9200 ServicePac 4yr P&L P/U Depot 69P9199 ServicePac 5yr P&L P/U Depot 69P9201 Post-warranty annual maintenance agreements at ibm.com/services/its/us/source/maspspleu.pdf

	Speed	UltraNav™ Mini PCI CDC Ethern Disk touch Comm Bay modem or on	et Preload Small Workhorse (W) Security business or Global (G) Avail			
2366-56U Pentium		GB [®] Optical pad wireless/modem Bluetooth™ plana 60GB Combo Yes Open (wireless upg³®) Modem 10/1 60GB Combo Yes 11b Wi-Fi³²/modem Bluetoo 10/1	r Chip software model date 00 Yes W2000 None No Aug 2002			
Positioning Processor L2 cache Memory	Mobile Intel® Pentium® 4 Proceenhanced Intel SpeedStep™ to 512KB / on die (at processor speedStep™ to 256MB standard / 1GB max ⁷ /	chnology ¹ and 400MHz frontside bus	SOFTWARE ¹⁴ Windows 2000 models - Microsoft® Windows® 2000 Professional ²⁰ • ConfigSafe® \$\Delta \text{Disk-to-Disk Recovery}\$			
Diskette drive Combo Ultrabay 2000 Disk	DVD-ROM/CD-RW / 16X/10X/ One modular bay for interchan 60GB ⁸ (4200 rpm) 9.5mm high supports 2nd disk with optional	trabay [™] -based or USB-based diskette drive 24X/8X ²¹ speed / removable from Ultrabay 2000 leable devices (right side) / Ultrabay Plus -compatible not high speed 5400 rpm) / upgradable / S.M.A.R.T. / HDD Adapter in Ultrabay 2000 / HDD Shock Absorber	(in hidden Service Partition) INCLUDED SOFTWARE ¹⁴ (all) Preloaded • Access ThinkPad - Access Connections - Access Help - Access Support			
Graphics controller Graphics - external	easy-open cover to unlatch and ATI® Mobility™ RADEON™ 75 External monitor support via an	00 / AGP 4X / 16MB DDR-SDRAM 364MHz llog DB-15 connector / up to 2048x1536x16.7M colors at al digital monitor ⁵ via the Digital Video Interface (DVI)				
Keyboard TrackPoint® Touch pad ThinkLight™ Dimensions³	TrackPoint® pointing device, "F Some: UltraNav multi-pointing	n rest / pitch: 19mm; stroke: 2.7mm (std-size keys) ress-to-Select," Internet Scroll Bar¹³ system / touch pad below keyboard / Tap Zones rove visibility in low-light conditions / no UltraPort™				
Approximate weight ² Case material Battery - type Battery - life ¹⁰	with optical drive and battery: Titanium Composite in the to	.33 to 5.67 lbs (2.42 to 2.57 kg) depending on model and bottom covers for enhanced strength upports unique 2nd battery in Ultrabay 2000				
Docking Station PC Card Std slots Ports	82801CAM ICH3-M I/O Control Low Pin Count (LPC) interface 33MHz (TI® PCI1520 CardBus LPC bus 33MHz (security chinc) Optional ThinkPad Dock (incl 2 Type I, 2 Type II, or 1 Type I Two USB (Version 1.1) / 9-pin	Memory Controller Hub (MCH-M) / ler Hub (ATA-100 EIDE, PCI bus, ethernet MAC, USB [Bluetooth], Firmware Hub) / PCI bus 2.2 32-bit, controller, Mini PCI, external expansion) / PC87392 Super I/O for diskette, serial, par, infrared) des Ultrabay 2000 and half-size PCI slot) / CardBus 32-bit / PCMCIA 2.1 serial / parallel / external DB-15 monitor / infrared 45 (ethernet) / no keyboard or mouse port (use USB)	License (CD not included) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client Ultrabay Plus integrated modular bay supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, diskette drive, or Zip drive; the optional Ultrabay Plus Device Carrier adds			
Video out Mini PCI 11B Wi-Fi ³² /mod	57U: Mini PČÍ 11b Wi-Fi ³² wi chipset, dual antennas	ndustry standard connector munications Bay) / customer upgradeable ^{4,36} eless ⁴ , Intel PRO/Wireless LAN with Intersil® Prism 2.5 display cover, Wi-Fi-certified / d ²⁹) modem combo, Agere® chipset	potentiál functionality by supporting the Ultrabay Plus Numeric Keypad and Cradle for the WorkPad® c500 Series Universal 72 watt AC adapter			
Wireless upg³6 CDC Modem Bluetooth™ Ethernet Audio support	56U: Dual antennas in displa One Communications Daughte 56U: 56K° V.90 (V.92-design 57U: Bluetooth wireless tech 10/100 ethernet on motherboar Soft audio / ICH AC97 controllicodec / stereo speakers / 1 wa microphone input jack (3.5 mn	cover for wireless connectivity Mini PCI options Card (CDC) socket / customer accessible d29) modem in CDC / Agere® chipset ology / on CDC / power button on display I/ Intel 82562ETchipset (physical layer) r / SoundBlaster Pro™-compatible / AD1881A AC97 t / volume up, down, mute buttons / internal mic / l / headphone jack (3.5 mm) / line in jack (3.5 mm) password / supervisor password / security keyhole	Asset ID™.34 (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 protect software image and data International Warranty Service¹7			
Security chip Limited warranty ¹² Service options	IBM Embedded Security Suk authentication / local file encry 3 years/1 year battery - EasyS	system 2.0 ³³ / hardware key storage / multi-factor tion / enhances VPN security ¹⁶ / TCPA-compliant erv ^{TM,19} onsite pickup and delivery courier service to five years of onsite or depot repair service coverage	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 E 512 MB PC2100 E IBM ThinkPad Ult ThinkPad Ultraba Zip 250MB Ultraba 24X-10X° CD-RO Ultralight R3° Max CD-RW/DVD Con Second HDD Ada ThinkPad Remova IBM High Rate Wi IBM 11a Wireless IBM Portable USE IBM Portable USE	DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0 DR-SDRAM CL2.5 SOD 10K0 rabay Plus Carrier 22P5 y Plus Numeric Keypad 22P7	IBM 128MB USB 2.0 Memory Key 22P8998	ThinkPad Dock 263120U ServicePac®.22 2yr IOR 9x5 NBD 30L9190 ServicePac 3yr IOR 9x5 NBD 30L9197 ServicePac 4yr IOR 9x5 NBD 69P9198 ServicePac 5yr IOR 9x5 NBD 69P9200 ServicePac 4yr P&L P/U Depot 69P9199 ServicePac 5yr P&L P/U Depot 69P9201			

					U	ltraNa	v™ Mini PCI	CDC	Ethernet	Workhorse (W)				
Type-model Proce			creen	Disk GB ⁸	Optical	touch pad	Comm Bay wireless/modem		[™] planar	·				
2366-B1U Pentiun 2366-B2U Pentiun							11b Wi-Fi ³² /mod 11b Wi-Fi/mod	d Open Open	10/100 10/100	No Windows® XP Pro No Apr 2002 Yes Windows® XP Pro No Nov2002				
Qualifie	This educational model of the ThinkPad T30 notebook must be sold only to qualified education customers. Qualified institution/customer is a public or private K-12 (or higher) accredited school organized and operated exclusively for educational purposes for use by Qualified Students and/or Qualified Teachers.													
							h an Authorized le to any other or							
Positioning	The perfect h	nalance of	norforms	2000 21	nd nortah	ility: tı	vo-spindle systen	n		0057144.0514				
Processor	Mobile Intel enhanced In	[®] Pentium tel Speed	າ [®] 4 Proc Step™ te	essor- chnolo	· M 1.6 or ogy¹ and ₄	2.0GI		11		SOFTWARE ¹⁴ Windows XP Pro models				
L2 cache Memory	512KB / on 6 256MB stan	lie (at prod dard / 1GI	cessor sp B max ⁷ / I	peed) / PC210	ECC 00 266MF	lz DD	R-SDRAM / non- et / one socket a			- Microsoft® Windows® XP Professional ²⁰ ⇒ Disk-to-Disk Recovery				
Diskette drive Combo	B1U: DVD-F	OM/CD-F	ŔW / 8X/8	3X/24X	(/8X ²¹ spe	eed / r	SB-based diskett emovable from U	Jitrabay 20	000;	(in hidden Service Partition) INCLUDED SOFTWARE ¹⁴ (all)				
Ultrabay 2000 Disk	One modula B1U: 40GB ⁸ All: remov	r bay for ir 3 4200 rpm able and u	nterchang n; <i>B2U: 4 u</i> pgradab	geable I 0GB h Ile / 9.5	devices ligh-spee mm high	(right d (HS bay/	/ removable fron side) / Ultrabay P) 5400 rpm S.M.A.R.T. / bay 2000 / HDD S	lus-compa	atible	Preloaded Access ThinkPad - Access Connections				
Display		mm) XGA	(1024x7	68) TF	T color /	Activ	e Matrix / 150 nits		orbei	Access HelpAccess SupportAdobe Acrobat Reader				
Graphics controller Graphics - external	ATI® Mobilit External mor	y™ RADE nitor suppo 2B / suppo	ON™ 75 ort via and orts extern	00 / A alog Di nal digi	GP 4X / 1 B-15 con ital monit	16MB	DDR-SDRAM 36	36x16.7M	DVI) port	 InterVideo WinDVD IBM Rapid Restore™ PC PC-Doctor™ ThinkPad Utilities Voritor Research NOW 				
Keyboard TrackPoint® Touch pad ThinkLight™	87-key / Thir TrackPoint® UltraNav mu	nkPad But pointing d Iti-pointin	ton / palr evice, "P g system	m rest ress-touc	/ pitch: 19 o-Select, h pad bel	" Inter	stroke: 2.7mm (s net Scroll Bar ¹³ eyboard / Tap Zor ight conditions / I	nes	eys)	Veritas RecordNOW IBM Update Connector ^{TM.15} Downloadable IBM Director Agent Software Delivery Assistant				
Dimensions ³ Approximate weight ⁴ Case material Battery - type Battery - life ¹⁰	Titanium Co	Irive and b mposite	oattery: E in the top	3 <i>1U:</i> 5. c and b	4 lbs (2.4 oottom co	l3kg); vers f	B2U: 5.5 lbs (2.9 or enhanced streattery in Ultrabay	ength		System Migration Assistant IBM Client Security Software (for security chip) License (CD not included)				
Architecture Docking Station PC Card Std slots Ports	82801CAM I Low Pin Cou 33MHz (TI® LPC bus 33N Optional Thi 2 Type I, 2 T Two USB (V	CH3-M I/0 Int (LPC) int (LPC) int (LPC) int (LPC) MHz (PC8 IN INT (LPC) IN INT (LPC	O Contro interface CardBus 7392 Su ock (inclu 1 Type II) / 9-pin	ller Hu , USB contro per I/C udes U I / Card serial /	b (ATA-1 [Bluetoot ller, Mini) for diske Iltrabay 2 dBus 32- parallel	00 EI h], Fir PCI, e ette, s 000 a bit / P	Hub (MCH-M) / DE, PCI bus, eth mware Hub) / PC xternal expansior erial, par, infrare nd half-size PCI s CMCIA 2.1 mal DB-15 monit yboard or mouse	CI bus 2.23 n) / d) slot) or / infrare	32-bit, - d	Ultrabay Plus integrated modular bay 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™.3⁴ (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant PXE 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to protect software image and data				
Video out Mini PCI 11b Wi-Fi ³² /mod	S-video out p One Mini PC Mini PCI 11b chipset, dual	oort (TV o I type III s Wi-Fi ³² w antennas	ut) / one slot (Com vireless ⁴ , s in displa	industi munic Intel P y cove	ry standa ations Ba RO/Wire r, Wi-Fi-c	rd cor ay) / cr less L ertifie	nnector ustomer upgrada AN with Intersil® I d /	ıble	,					
CDC Modem Bluetooth™ Ethernet Audio support Security Security chip	One Commu None 10/100 ether Soft audio / I codec / stere microphone Power-on pa B2U: IBM	nications nications net on mo CH AC97 to speake input jack assword / Embedde	Daughter Daughter therboard controllers / 1 war (3.5 mm hard disk	r Card r Card d / Intel er / Sou tt / volu) / hea c passv ity Sul	(CDC) so (CDC) so I 82562E undBlaste ume up, o dphone j word / su bsystem	rcket / rcket of Tchips er Prodown, ack (3 pervis 2.0 ³³	customer access ppen set (physical layer -compatible / A mute buttons / in 5.5 mm) / line in j or password / se / hardware key s	r) D1881A A Iternal mic ack (3.5 m ccurity key storage / m	.C97 :/ m) hole nulti-					
Limited warranty ¹² Service options	factor auther 3 years/1 ye	ntication / ar battery ades ²² pro	local file - EasySovide up t	encryperv ^{TM,19} to five v	otion / en onsite pi	hance ickup onsite	es VPN security ¹⁶ and delivery cour or depot repair se	/TCG-co	mpliant erage	International Warranty Šervice ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²				
128 MB PC2100 E 256 MB PC2100 E 512 MB PC2100 E IBM ThinkPad Ultr ThinkPad Ultraba SuperDisk (LS-24 Zip 250MB Ultraba 24X-10X CD-ROM Ultralight 8X Max CD-RW/DVD Con Second HDD Ada	DR-SDRAM (CL2.5 SO CL2.5 SO CL2.5 SO rrier c Keypad 100 00 Drive 2000 y 2000	D 10K00	028 T 030 T 032 P 737 330 T 016 U 253 T 02 M 091 20	ravel Bez hinkPad I ortable D 2000 m hinkPad Itrabay 2 hinkPad I hinkPad Iultiple Li- 0GB Hard	zel for Remo Prive E edia a T30 S 000 L 72W A 72W A	Ultrabay 2000 vable Diskette Disay 2000 (acception of the control	rive 0 s Ultrabay ces) 1 ery 0 0 dapter 2 rger 0 n) 0	8K6070 8K9603	ThinkPad Port Replicator ThinkPad Dock 263120U IBM 11a/b/g Wireless CardBus Adapter 31P9101 ServicePac®.22 2yr IOR 9x5 NBD 30L9190 ServicePac 3yr IOR 9x5 NBD 30L9197 ServicePac 5yr P&L P/U Depot 69P9201 Other ServicePac options at ibm.com/services/its/us/				