2653-H4U Pentiun 2653-H5U Pentiun 2653-H6U Pentiun	n [®] 4-M 1.7 256MB 15" U n 4-M 1.7 256MB 15" U	IXGA 60GB ⁸	optical DVD/CD-RW	Mini PCI		od/Blu Chip				
2000-HTO Pentiun	n 4-M 1.7 256MB 15" U n 4-M 1.7 256MB 15" U n 4-M 1.7 256MB 15" U	IXGA 60GB IXGA 60GB	DVD/CD-RW DVD/CD-RW DVD/CD-RW	Open Wi-Fi ³² /mod Wi-Fi/mod	10/100 Blu	odem Yes uetooth Yes uetooth Yes	XP Pro No Mar 2002 Windows® 2000 No Mar 2002 XP Pro No Mar 2002 Windows 2000 No Mar 2002 XP Pro Office XP SB28 No Mar 2002			
Positioning Processor _2 cache Memory	High-performance des Mobile Intel® Pentium enhanced Intel SpeedS 512KB / on die (at pro- 256MB std / 1GB max- two 200-pin SO-DIMM	n[®] 4['] Processo Step™ techno cessor speed ⁷ / PC2100 26	or-M 1.7GHz w logy¹ and 400N) / ECC 66MHz³º DDR-	vith MHz frontside SDRAM / nor	bus n-parity / 2.	5v /	SOFTWARE ¹⁴ Windows XP Pro models - Microsoft® Windows® XP Professional Disk-to-Disk Recovery			
Modular bays Disk (removable) Display Graphics controller	None standard / use of / Combo / 8X/8X/24X/8/7 Two modular bays for Ultrabay Plus (right si 60GB³ / high-speed 54 supports two additional 15.0" (381mm) UXGA FlexView display with v(IPS) technology ATI® Mobility™ FireGi supports OpenGL tech	otional Ultraba X ²¹ speed / bo r interchange: de) / Ultrabay 00 rpm / upgr Il disks with op -IPS (1600x1 wide viewing a LTM 7800 / AG unology for 3D ort via analog	ay™-based or otable / remove able devices / v 2000 left bay adeable / S.M. otional HDD ac 200) TFT colorangle and high applications DB-15 connections	USB-based d able from Ult Ultrabay 200 empty at ship A.R.T. / dapter in each or / Active Man density using DDR-SDRAM	iskette driv rabay Plus 0 (left side) 0 (uses Tran n modular b trix / 400:10 g in plane s	and vel Bezel) ay contrast / witching	(in hidden Service Partition) Windows 2000 models - Microsoft Windows 2000 Professional¹³ • ConfigSafe® → Disk-to-Disk Recovery (in hidden Service Partition) INCLUDED SOFTWARE¹⁴ (all) Preloaded • Access ThinkPad - Access Connections - Access Help			
Keyboard ThinkLight™ UltraPort™ Case material	at 75Hz / DDC2B / sup (DVI) port on either of t 87-key / Web navigation rest / TrackPoint®, "Pre Illuminates the keyboa UltraPort connector on Color: black; Top: ABS	the optional do on keys (6 total ess-to-Select, rd to improve of display	palm ke: 2.7mm	- Access Support • Adobe Acrobat Reader • InterVideo™ Win DVD • MGI VideoWave 4 • PC-Doctor™ • ThinkPad Utilities						
Dimensions ³	Approximately 13.0 x 1 ² with battery and optica Lithium Ion 6-cell 10.8 ³ 2.0 hours / universal 7 ²	IBM Update Connector™.15 Veritas RecordNOW Downloadable IBM Rapid Restore™ PC IBM Data Transfer Client Security Software (models with security chip) IBM Director Agent License Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 Office XP Small Business models only Microsoft Office XP Small								
Architecture Port replicator Docking Station PC Card Std slots Ports	Intel 845MP chipset / 8 82801CAM ICH3-M I/C Low Pin Count (LPC) in 33MHz (Ricoh® R5C55 LPC bus 33MHz (PC8 Optional ThinkPad Po Optional ThinkPad Do 2 Type I, 2 Type II, or 1 Two USB (version 1.1) infrared (4Mbps) / RJ-									
Video in and out EEE 1394 Mini PCI Wi-Fi ³² /modem	S-video in and out port IEEE 1394 FireWire po One Mini PCI IIIb slot (Some: Mini PCI Wi-Fi display cover / S Two Communications	ard in chipset	Business ²⁸ (Word, Excel, Outlook, Publisher, Small Business Tools) Office XP Small Business CD							
Modem Ethernet Bluetooth™	Some: 56K ⁶ V.90 (V.92-designed ²⁹) CDC modem card / Lucent® chip set 10/100 ethernet on CDC / Intel 82562ET chipset (physical layer) Some: Bluetooth wireless technology / on CDC / power button on display						Ultrabay Plus integrated modular bay supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive,			
Audio support Security Security chip	SoundBlaster Pro [™] -cc volume up, down, mute Power-on password / I IBM Embedded Secu authentication / local fi	e buttons / mi nard disk pas rity Subsyste	eyhole /	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						
_imited warranty ¹² Service options	3 years/1 year battery Service upgrades ²² pro coverage from date of 1	vide úp to thre	ee years of ons	site or depot re	epair servic		Series			
256 MB PC2100 D 512 MB PC2100 D Second HDD Adap 20GB Hard Disk D 40GB Hard Disk D 60GB HS Hard Dis IBM USB Portable ThinkPad Remova SuperDisk (LS-240	Orive sk Drive (5400 rpm) Diskette Drive Able Diskette Drive	0 10K0030 M 0 10K0032 T 08K6068 T 08K9686 T 08K9688 T 08K9688 T 08K9603 M 08K9616 M 00K8253 M	Jltrabay 2000 L Aultiple Li-Ion/I ThinkPad 72W ThinkPad Ultral ThinkPad Ultral ThinkPad Uttral ThinkPad Port I ThinkPad Dock BM USB Keyb BM USB 32ME Portable Drive I	NiMH Battery AC Adapter bay Plus Carr bay Plus c500 bay Plus Num Replicator coard w/ USB Mouse Memory Key	ier O Cradle eric Keypd Ports	02K6646 02K6719 02K6699 22P5737 22P5738 22P7330 02K8667 263120U 10K3849 33L3244 22P5296 19K4480	PC 2001-compliant ACPI 1.0b and 2.0 support CIM and DMI 2.0-compliant IBM ImageUltra Services available IBM Rapid Restore PC available to protect software image and data Setup Guide, Service and Trouble- shooting Guide, Windows manual Personalized Web-based support International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty			

Type-model Process	sor GHz Memory	Screen Dis	Ultrabay c optical	Mini PCI	CDC CD Ethernet Mod/	C Securit				
2653-N4U Pentium 2653-N5U Pentium 2653-N6U Pentium	 4-M 1.8 256MB 1. 	5" UXGA 60G 5" UXGA 60G 5" UXGA 60G	B DVD/CD-RW B DVD/CD-RW B DVD/CD-RW	Open Wi-Fi ³² /mod Wi-Fi/mod		em Yes ooth Yes ooth Yes	XP Pro No Jun 2002 Windows® 2000 No Jun 2002 XP Pro No Jun 2002 Windows 2000 No Jun 2002 XP Pro Office XP SB²8 No Jun 2002			
Positioning Processor L2 cache	High-performance Mobile Intel® Pent enhanced Intel Spe 512KB / on die (at	ium® 4 Proces edStep™ tech processor spe	sor-M 1.8GHz on nology ¹ and 400 ed) / ECC	with MHz frontside	bus		SOFTWARE ¹⁴ Windows XP Pro models - Microsoft® Windows® XP Professional			
Memory Diskette drive DVD-ROM/CD-RW Modular bays Disk (removable) Display	256MB std / 1GB n two 200-pin SO-Dli None standard / us Combo / 8X/8X/24\ Two modular bays Ultrabay Plus (rigl 60GB ⁸ / high-spee supports two additi 15.0" (381mm) UX FlexView display w	Professional Disk-to-Disk Recovery (in hidden Service Partition) Windows 2000 models Microsoft Windows 2000 Professional ¹³ ConfigSafe® Disk-to-Disk Recovery (in hidden Service Partition)								
	(IPS) technology ATI® Mobility™ Firsupports OpenGL t External monitor su at 75Hz / DDC2B / s (DVI) port on either	INCLUDED SOFTWARE ¹⁴ (all) Preloaded • Access ThinkPad - Access Connections - Access Help - Access Support								
Keyboard ThinkLight™ UltraPort™ Case material Dimensions³	87-key / Web navig TrackPoint®, "Pres Illuminates the key UltraPort connecto Color: black; Top:	s-to-Select, In board to impro r on top of disp ABS plastic;	 Adobe Acrobat Reader InterVideo™Win DVD MGI VideoWave 4 PC-Doctor™ ThinkPad Utilities IBM Update Connector™.15 Veritas RecordNOW and DLA 							
Approximateweight² with battery and optical drive: 7.7 lb (3.49kg) Battery - type Lithium Ion 6-cell 10.8V 4.0Ah / intelligent / supports 2nd battery in Ultrabay 2000 Battery - life¹0 2.0 hours / universal 72 watt AC adapter (16Vdc 4.5A)						Downloadable ■ IBM Rapid Restore™ PC ■ IBM Data Transfer				
Port replicator Docking Station PC Card Std slots Ports Video in and out	Intel 845MP chipse 82801CAM ICH3-N Low Pin Count (LP 33MHz (Ricoh® R5 LPC bus 33MHz (P Optional ThinkPad Optional ThinkPad 2 Type I, 2 Type II, Two USB (version infrared (4Mbps) / I S-video in and out	MI/O Controlle C) interface, U C552 CardBus C87392 Supe Port Replicat I Dock (include or 1 Type III / 1.1) / one 9-pir RJ-11 (modem	IBM Director Agent Client Security Software (security chip models) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Standalone Client Office XP Small Business models only (Model NTU) Microsoft Office XP Small Business²8 (Word, Excel, Outlook,							
IEEE 1394 Mini PCI Wi-Fi ³² /modem CDC Modem Ethernet	IEEE 1394 FireWin One Mini PCI type Some: Mini PCI W display cov Two Communicatic Some: 56K ⁶ V.90 (10/100 ethernet on	Publisher, Small Business Tools) Office XP Small Business CD Certified software Visit ibm.com/pc/thinkpad/cert.html for a complete list of applications certified to run on the ThinkPad A31 Supported operating systems Microsoft Windows XP Professional Microsoft Windows 2000 Microsoft Windows 98 Second Edition Microsoft Windows 98								
Bluetooth™ Audio support Security	Some: Bluetooth wireless technology / on CDC / power button on display SoundBlaster Pro™-compatible / AD1881A AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / mic input jack / output jack / line in jack Power-on password / hard disk password / supervisor password / security keyhole / IBM Embedded Security Subsystem³³ / hardware key storage / multi-factor authentication / local file encryption / enhances VPN security¹⁵									
Limited warranty ¹² Service options	3 years/1 year batt Service upgrades ²² coverage from date	provide up to t	hree years of on	site or depot r	epair service	e	 Microsoft Windows Millennium Edition Microsoft Windows NT® 4.0 SP6a Red Hat Linux® 			
256 MB PC2100 DI 512 MB PC2100 DI Second HDD Adap 20GB Hard Disk DI 40GB Hard Disk DI 60GB HS Hard Dis IBM USB Portable ThinkPad Removal SuperDisk (LS-240 Zip 250MB Ultraba	rive k 9.5mm (5400 rpm) Diskette Drive ble Diskette Drive) UltraBay 2000 y 2000 Drive)-RW Ultrabay 2000 VD Ultrabay 2000 bo II Ultrabay 2000 rabay 2000	SOD 10K0030 SOD 10K0032 0 88K6068 08K9686 08K9687 0 08K9688 05K9276 08K9603 08K9616 00N8253	Multiple Li-Ion/ ThinkPad 72W ThinkPad Ultra ThinkPad Ultra ThinkPad Oltra ThinkPad Port ThinkPad Docl IBM USB Keyt IBM USB Slee IBM 128MB US Portable Drive	'NiMH Battery ' AC Adapter abay Plus Carr abay Plus Carr abay Plus Nun Replicator k ooard w/ USB k Mouse SB 2.0 Memor Bay 2000 6K Mini PCI (3 2 2yr IOR 9x5 rr IOR 9x5 NB	Ports (Com) NBD	02K6646 02K6719 02K6699 22P5737 22P5738 22P7330 02K8667 263120U 10K3849 33L3244 22P8998 19K4480 9N9774 30L9190 30L9197 es	- SuSE Linux PC 2001-compliant ACPI 1.0b and 2.0 support CIM and DMI 2.0-compliant IBM ImageUltra Services available IBM Rapid Restore PC available to protect software image and data Setup Guide, Service and Trouble- shooting Guide, Windows manual Personalized Web-based support ³¹ Proactive e-mail updates ³¹ International Warranty Service ¹⁷ 24x7 toll-free support ¹⁸ for warranty- related issues during the warranty period ¹²			

			Ultrabay	,	CDC	CDC Securit	v Si	mall bus \	Norkhorse or A	licv		
Type-model Processo			optical	Mini PCI	ethernet mo	d/Blue chip	Preload S		Global model	date		
2653-R4U Pentium 4 2653-R5U Pentium 4 2653-R6U Pentium 4 2653-R8U Pentium 4 2653-RBU Pentium 4 2653-R9U Pentium 4 2653-RCU Pentium 4	4-M 2.0 256MB 15" l 1-M 2.0 256MB 15" l	JXGA 60 or 80GB JXGA 60 or 80GB JXGA 60 or 80GB JXGA 40GB JXGA 40GB JXGA 40GB JXGA 40GB	* Combo * Combo Combo Combo Combo Combo	Open 11b Wi-Fi ³² /mo 11b Wi-Fi/mod Open	10/100 BI 10/100 Mo 10/100 Mo od 10/100 BI 10/100 BI	odem Yes uetooth Yes uetooth Yes odem Yes uetooth Yes uetooth Yes	Windows 20 XP Pro Windows® 2 XP Pro Windows 20	000 2000 000	No Sep 20 No Sep 20 No Sep 20 No Sep 20 No Mar 20 No Mar 20 No Mar 20 SB ²⁸ No Sep 20	002 002 003 003 003 003		
Positioning Processor	High-performance de Mobile Intel® Pentiu	ım® 4 Processor-	M 2.0GHz	with		pindle	Windows X	SOFTW.				
L2 cache Memory	enhanced Intel Spee 512KB / on die (at pi 256MB std / 1GB ma two 200-pin SO-DIM	rocessor speed) / ax^7 / PC2100 DD R	ĔCC R -SDRAM	/ 266MHz ³⁰ / n	on-parity / 2		- Microsoft Professio	® Windov nal Disk Reco	vs® XP very			
Diskette drive Combo Modular bays (both 12.7mm) Disk (removable)	None standard / use optional Ultrabay TM -based or USB-based diskette drive DVD-ROM/CD-RW / 8X/16X/10X/24X ²¹ speed / removable from Ultrabay Plus Two modular bays for interchangeable devices / Ultrabay 2000 (left side) and Ultrabay Plus (right side) / Ultrabay 2000 left bay empty at ship (uses Travel Bezel) 40GB ⁸ (9.5mm, 5400 rpm), 60GB (12.5mm, 5400 rpm), or 80GB (9.5mm, 4200 rpm) / upgradable and removable / 12.5mm bay / supports two additional disks with optional HDD adapter in each modular bay							(in hidden Service Partition) Windows 2000 models - Microsoft Windows 2000 Professional¹³ • ConfigSafe® ♦ Disk-to-Disk Recovery (in hidden Service Partition)				
Display	15.0" (381mm) UXG FlexView display wit						INCLUDED	SOFTW	ARE ¹⁴ (all)			
Graphics controller Graphics - external	FlexView display with wide viewing angle and high density using IPS technology ATI® Mobility™ FireGL™ 7800 / AGP 4X / 64MB DDR-SDRAM 183MHz / supports OpenGL technology for 3D applications External monitor support via analog DB-15 connector / up to 2048x1536x16.7M colors at 75Hz / DDC2B / supports external digital monitor via the Digital Video Interface (DVI) port on either of the optional docking solutions							Preloaded • Access ThinkPad				
Keyboard ThinkLight™ UltraPort™ Case material	87-key / Web navigation keys (6 total, 3 customizable) / ThinkPad Button / palm rest. TrackPoint®, "Press-to-Select," Internet Scroll Bar¹³ / pitch: 19mm; stroke: 2.7mm Illuminates the keyboard to improve visibility in low-light conditions UltraPort connector on top of display for options such as digital UltraPort Camera Color: black; Top: ABS plastic; Bottom: glass-fiber reinforced plastic											
Dimensions ³ Approximate weight ² Battery - type Battery - life ¹⁰	Approximately 13.0 x 10.7 x 1.8"; 329mm x 272.5mm x 45.8mm with battery and optical drive: 7.7 lb (3.49kg) Lithium Ion 6-cell 10.8V 4.0Ah / intelligent / supports 2nd battery in Ultrabay 2000 2.0 hours / universal 72 watt AC adapter (16Vdc 4.5A)							Verita's RecordNOW and DLA Downloadable IBM Rapid Restore™ PC Sofware Delivery Assistant System Migration Assistant IBM Director Agent Client Security Software (security chip models) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client Office XP Small Business models only (Model RTU)				
Architecture Port replicator Docking Station 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 [Bluetooth], Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (Ricoh® R5C552 CardBus/1394 combo controller, Mini PCI, ext expansion) / LPC bus 33MHz (PC87392 Super I/O for diskette, serial, parallel, infrared) Optional ThinkPad Port Replicator or Port Replicator II Optional ThinkPad Dock or Dock II (includes Ultrabay 2000 and half-size PCI slot) 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door Two USB (version 1.1) / one 9-pin serial / parallel / external DB-15 monitor /											
infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet) / IEEE 1394 / no keyboard/mouse Video in and out IEEE 1394 (FireWire) IEEE 1394 (FireWire) port (4-pin connector) Mini PCI 11b Wi-Fi³²/mod 11b Wi-Fi³²/							Microsoft Office XP Small Business ²⁸ (Word, Excel, Outlook, Publisher, Small Business Tools) Office XP Small Business CD					
Audio support Security	SoundBlaster Pro TM -volume up, down, m Power-on password IBM Embedded Sec authentication / loca	ute buttons / mic i / hard disk passw curity Subsysten	nput jack ord / supe 1 ³³ / hardw	/ output jack / l ervisor password vare key storage	ine in jack d / security k e / multi-fac	eyhole /						
Limited warranty ¹²	3 years/1 year batter						Certified so		ninkpad/cert.ht	ml		
256 MB PC2100 DD	ve 9.5mm (5400 rpm) 0. Memory Key 0. Memory Key 0. Memory Key 0. Memory Key 0. Drive 0. IV Ultrabay 2000 0.000 0.0 CD-RW Drive	0 10K0030 Ultra 0 10K0032 Multi 08K6068 Thin 08K9816 Thin 02P9025 Thin 05K9276 IBM 08K9603 Serv 00K8253 Serv 22P6991 Serv 08K6070 Serv 19K4480 Serv 2295297 Serv	bay 2000 ple Li-lon/kPad Port kPad Port kPad Dock kPad Dock kPad Dock Coptical TraicePac 3y icePac 4y icePac 5y icePac 5y icePac 5y icePac 5y	<	harger use (black) IBD ot	02K6878 02K6646 02K6719 74P6733 287810U 263120U 287710U 31P7410 30L9190 30L9197 69P9198 69P9200 69P9199 69P9201 ies	for a comp certified to PC 2001-cc ACPI 1.0b a CIM and DM IBM Imagel IBM Rapid protect so Setup Guid shooting Internations 24x7 toll-free	plete list of run on the properties of the list of th	of applications ne ThinkPad A upport	ole o i - al		