

# IBM ThinkPad 385ED (Retail models) - withdrawn

<b>IBM® ThinkPad®:</b>		<b>385ED</b> 12.1" SVGA Fast Response STN or Active Matrix / 20x max variable speed CD-ROM	<b>All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up</b> disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer
Processor type	<b>Pentium® MMX™ 166/66 MHz</b> / 64 bit transfer to L2 cache / 64 bit transfer to memory		
Processor upgrade	None		
L2 cache	<b>256 KB</b> / write-through / direct mapped / 8 ns / synchronous pipelined burst		
Diskette drive	Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side		
External FDD port	None since diskette internal		
CD-ROM	<b>5.25" CD-ROM / 20x max variable speed</b> / CAV / multi-session / XA / ATAPI / not bootable / not removable / on right side		
Type - model (code)	<b>2635-5EU</b>	<b>2635-6EU</b>	disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer
UPC code	<b>087944350163</b>	<b>087944343660</b>	
Preload (see side)	<b>Windows 95 OSR2</b>	<b>Windows 95 OSR2</b>	
Avail / withdrawn date	September 1997 / July 1997	September 1997 / July 1997	
Disk - size / ms	<b>2.1 GB</b> / 13 ms / PIO Mode 4	<b>3.0 GB</b> / 13 ms / PIO Mode 4	
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM or dealer		
Display - size and type	<b>12.1 inch Fast Response color</b>		
Display - technology	<b>SVGA</b> / 640 x 480 or 800 x 600		
	<b>Dual scan</b> / FRSTN / 150 ms / 70 nits		
	65,536 sim colors / 35 to 1 contrast		
	<b>12.1 inch Active color</b>		
	<b>SVGA</b> / 640 x 480 or 800 x 600		
	<b>Active Matrix TFT</b> / 75 ms / 100 nits		
	65,536 simultaneous colors / 100 to 1 contrast ratio ratio		
Graphics - controller	<b>NeoMagic™ MagicGraph128ZV™</b> (NM2093) / 128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B		
Graph - arch/data path	1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw		
Graphics - features	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 with 256 colors		
	Simultaneous LCD and CRT / 150 degree tilt		
Memory - std / max	<b>16 MB</b> / 80 MB / non-parity / 3.3 volt / EDO		
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64 MB / socket accessed from bottom via screw		
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator		
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator		
Pointing / palm rest	TrackPoint III™ / no drag lock keys		
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches)		
Weight	7.1 pounds (3.2 kg)		
Battery - type / life	Li-Ion / non-intelligent / 2.0 hrs		Li-Ion / non-intelligent / 2.5 hrs
Charge time - on / off	4.2 to 12 hrs / 3.3 hrs		
Architecture	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator)		
	ISA (audio, diskette, serial, parallel, infrared)		
	Intel® Mobile Triton 82430 PCIsset / Intel 82371MX PIIX / NS PC87338		
Docking Station	None		
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator		
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / <b>Zoomed Video support in lower slot</b> / PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI)		
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)		
Other features	APM-aware BIOS / Universal AC adapter; barrel (35 or 56 watts)		
Video in/out	None		
MPEG decoder	None (software support for MPEG-1 in Windows 95)		
Data/fax modem	None		
Audio support	<b>16 bit audio chip</b> / 20 voice MIDI FM Synthesis / CS4236B		
	One internal speaker / .5 watt / dial volume control / int mic/ full duplex spk/mic		
Audio in/out jacks	Input/microphone jack (stereo) / output jack (stereo) / no joystick port		
Infrared ports	<b>Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps</b>		
Security	Power-on password / Hard disk password / security keyhole / personalization		
Preinstalled software	Microsoft Windows 95 OSR2 wth applications (listed on right)		
Warranty	<b>1 year</b> - ThinkPad EasyServ (optional depot repair service) or carry-in		
<b>The ThinkPad Enhanced Port Replicator</b> provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:  - Dual IBM lock slots to secure the ThinkPad 385, PC Cards, and Port Replicator  Port Replicator connectors: - USB - Serial (9 pin), parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive conntr - not on system - Power connector (requires AC power; can not run on battery)  Features of the PC Card slots: - Two Type III slots (side by side) - PC Card Standard 95 compliant - CardBus compliant (PCI 2.1 / 32 bit) - 8/16 bit PC Card support (no Zoomed Video) - Texas Instruments PCI1131 controller - Requires no PCI-to-PCI bridge			
<b>OPTIONS</b>  - <b>8 MB SO DIMM 3.3v NP EDO 64 bit</b> <b>92G7340</b> - <b>16 MB SO DIMM 3.3v NP EDO 64 bit</b> <b>92G7341</b> - <b>16 MB SO DIMM NP EDO 64 bit (new)</b> <b>01K1124</b> - <b>32 MB SO DIMM 3.3v NP EDO 64 bit</b> <b>92G7342</b> - <b>64 MB SO DIMM 3.3v NP EDO 64 bit</b> <b>76H0268</b> - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad Enhanced Port Replicator 11J8997 - ThinkPad 380/385 Li-Ion Battery (old) 73H9793 - ThinkPad 380/385 Li-Ion Battery 02K6507 - 35 watt AC Adapter (barrel, slim) 76H0139 - 56 watt AC Adapter (barrel; 3 prong) 83H6739 - 2.1 GB Disk 13 ms 73H9797 - 3.2 GB Disk 13 ms 02K0487 - 5.1 GB Disk 12 ms 02K0506 - 33.6 Kbps Modem with XJACK 55H6759 - 56K PC Card Modem Kit 04K0052  Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation			
<b>WINDOWS 95 PRELOAD</b>  - Microsoft Windows 95 OSR2 (FAT16) - Lotus SmartSuite 97 - WordPro Word Processor - 1-2-3 Spreadsheet - Freelance Graphics - Approach Database - Organizer Scheduler - ScreenCam - Ergonomics - Diskette factory and utilities - ThinkPad customization icon - IntelliQuest Registration Mailer - Voyetra Audio Station - IBM Global Network (IGN) - NetScape Navigator Browser - AOL, AT&T WorldNet, CompuServe - Media Player - Active Movie (MPEG-1, AVI) - Video for Windows - CD Audio Player - MIDI Sequencer - Quicken SE - Expensable - Wall Street Money SE - National Golf Course Directory - Rand McNally's Trip Maker - IBM Anti-Virus - IBM Online Housecall - IBM Update Connector - TranXit™ - Online User's Guide - SystemSoft Card Works - PointCast - Password Protected Marketing Demo - CD-ROMs included in the shipping carton - Preload Recovery CD w/boot diskette - Windows 95 CD (no installation) - Picture Perfect Golf			
<b>FEATURES OF 385 MODELS</b>  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes US EPA Energy Star compliant Personalization screen at startup <b>International Warranty Service</b> <b>24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support</b> <b>IBM and dealer warranty/service</b> <b>Online Housecall (remote diagnostics)</b>			

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

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