

IBM ThinkPad 760E (SVGA) - withdrawn

IBM® ThinkPad®:		≈ 760E		≈ 760E		Key differences between 760E and 760ED:	
		12.1" SVGA TFT - thick		12.1" SVGA TFT - thin			
Processor type	Pentium® 120/60 or 133/66 (P54LM) / 64 bit to L2 cache / 64 bit to mem					760E	760ED
Processor upgrade	to Pentium 133/66 MHz from 120/60					No std CD-ROM	Standard CD-ROM
L2 cache	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst					No video in/out	Video in/out and cable
Removable diskette	3.5" 1.44 MB ○ / in UltraBay					No joystick/MIDI port	Joystick/MIDI port
External FDD port	External FDD port					No MPEG decoder	MPEG decoder
Removable CD-ROM	None / upgrade CD-ROM					Lighter	Heavier
Price		Pallet of 24			Price	Price	
Type - model	9546-U3B	9546-U3L	9546-U4B	9546-U4A			
Preload (see side)	Windows 95	Blank	Windows 95	Windows 95			
Avail / withdrawn date	May 1996 / Jan 1997		May 1996 / Jan 1997	May 1996 / Jan 1997			
Pentium speed	120/60 MHz		120/60 MHz	133/66 MHz			
Remv disk - size / ms	1.2 GB / 12 ms ○		810 MB / 13 ms ○	1.08 GB / 13 ms ○			
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks						
Display - size and type	12.1 inch SVGA color / 640 x 480 or 800 x 600 / 65,536 simultaneous colors					WINDOWS 95 PRELOAD	
Display - technology	Black Matrix TFT - active matrix / 100 to 1 contrast ratio					- Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host; 2. PRODIGY® 3. SofNet FaxWorks™ Fax 4. Puma TranXit™ 5. Compuserv for Windows 6. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM	
Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns						
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors						
Gaphics - features	Simultaneous LCD and CRT / 180 degree tilt						
Memory - std / max	8 MB / 72 MB or 104 MB 8 MB / 72 MB or 104 MB 16 MB / 80 or 104 MB						
Memory - features	70 ns / non-parity / 3.3 volt / EDO						
Memory - upgrade	2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB						
Keyboard / # of keys	Full size alp/num / 85 (8 Fn key functions)						
Keyboard slope	Automated tilt up keyboard (5.5 degrees)						
Pointing / palm rest	TrackPoint III™ / integrated palm rest / ext keyboard support (w/ optional cable)					BLANK PRELOAD	
Dimensions	11.7 x 8.3 x 2.14" (208)		11.7 x 8.3 x 1.92" (186 cubic inches)			- License for SmartSuite	
Weight	7.06 pounds (3.20 kg)		6.76 pounds (3.07 kg)				
Battery - type	Lithium Ion / intelligent		optional NiMH		Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery (thick models support CD-ROM)		
Battery - life (1 batt)	3.4 hours						
Battery - life (2 batt)	6.8 hours						
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs						
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion)					Easy-Setup is entered by holding F1 when turning on.	
Docking Station	Dock I and II / SelectaDock I and II						
Port replicator	Port Replicator I and II / SelectaDock Base Model I						
PC Card Standard slots	2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible					810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3	
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)						
Other features	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot					Memory is upgradeable to 104 MB with a ThinkPad Proven option.	
Video in/out	None					ThinkPad 760E supported batteries:	
MPEG decoder	None					- 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167	
DSP function	Mwave MDSP2780 DSP with modem, fax, audio, telephony function					ThinkPad 760E supported disks:	
Data/fax modem	Data/fax modem function via DSP (v.34 to 28.8 Kbps) / Mwave 2.1					- (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" or higher models) 69H8414	
Audio support	16 bit audio chip on planar with Mwave DSP					FEATURES OF 760 MODELS	
Jacks	Int stereo speakers / .5 watt / slide volume control / internal microphone					Setup Pointer (single page)	
Telephone	Input jack (3.5 mm) / Output jack (3.5 mm)					LCD indicator panel	
Infrared ports	Telephone / answering machine / full duplex speakerphone / DSVD					Plug and Play 1.0a	
Security	Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs					Discharge battery via mouse click	
	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate					Non-disruptive battery exchange	
Preinstalled software	Windows 95 with applications (listed on right)					Standby, suspend, safe suspend, and hibernation modes	
Warranty	3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in					US EPA Energy Star compliant	
The left bay (UltraBay™) supports:		Compatible in ThinkPad 760E family:				Personalized nameplate in indentation	
① 2nd disk (requires Second HDD Adapter)		- Second HDD Adapter 29H9333				Personalization screen at startup	
② 2nd battery		- Dock I (1 slot / 1 bay) 3545001				International Warranty Service	
③ std diskette drive		- Dock II (2 slot / 2 bay) 3546001				24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support	
④ 2.88 MB diskette drive (option)		- IDE Conversion Card (for Dock I/II) 46H5994				IBM and dealer warranty/service	
⑤ PCMCIA Cartridge (option)		- SelectaDock I 3547001				Online Housecall (remote diagnostics)	
⑥ IBM Wireless Modem for ARDIS (option)		- SelectaDock II 3547002					
⑦ IBM Wireless Modem for Cellular/CDPD (option)		- Port Replicator I (w/ PCMCIA slots) 66G3510					
		- Port Replicator II 66G3520					
Maximum internal disk capacity on 760E is 4.2 GB with two 2.1 GB disks (thick models) or 2.8 GB with two 1.4 GB disks (thin models)		- SelectaDock Base Model I 39H7405					
		- 2.88 MB diskette drive 66G0108					
		- PCMCIA Cartridge (one Type III) 84G1301					
		- FDD External Attachment Kit 66G3618					
		- Pentium 133/66 MHz/L2 upgrade 46H5991					
		- 35 watt AC Adapter (slim, 4 pin) 76H0119					
		- 4 x CD-ROM (for thick model) 39H7413					
		- 6 x CD-ROM (for thick model) 85G1957					
		- 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340					
		- 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341					
		- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342					
Easy-Setup is entered by holding F1 when turning on.							
Integrated Mwave™ DSP provides:							
① Data modem function (to 28.8 Kbps)							
② Fax modem function (to 14.4 Kbps)							
③ Audio function (wave table synthesis)							
④ Telephone function							
- Full duplex speakerphone							
⑤ Digital Simultaneous Voice and Data							

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

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IBM ThinkPad 760E (XGA) - withdrawn

IBM® ThinkPad®: ≈ 760E 12.1" XGA color - thick		Key differences between 760E and 760ED:	
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® 150/60 (P54CSLM) / 64 bit to L2 cache / 64 bit to memory None 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB ○ / in UltraBay External FDD port (requires External FDD Attachment Kit 66G3618) None / can upgrade with optional CD-ROM into UltraBay		760E No std CD-ROM No video in/out No joystick/MIDI port No MPEG decoder Lighter Price
Price Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9B Windows 95 2.1 GB / 12 ms ○ EIDE / busmaster / PCI 2.1 / supports two internal disks (so 4.2 GB max) October 1996 / October 1997		760ED Standard CD-ROM Video in/out and cable Joystick/MIDI port MPEG decoder Heavier Price
Display - size and type Display - technology	12.1 inch XGA color / 640 x 480, 800 x 600, or 1024 x 768 / 65,536 siml colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio		WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host 2. SofNet FaxWorks™ Voice™ 3. Puma TranXit™ 4. Compuserp for Windows 5. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident™ CYBER9385 / 64 bit SVGA accelerator / 2 MB EDO DRAM / 70 ns PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors		
Memory - std / max Memory - features Memory - upgrade	16 MB / 80 MB (104 MB with ThinkPad Proven option) 70 ns / non-parity / 3.3 volt / EDO 2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB		
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fn key functions) Automated tilt up keyboard (5.5 degrees) TrackPoint III™ / integrated palm rest / ext keyboard support (w/ optional cable)		
Dimensions Weight	11.7 x 8.3 x 2.0" (194 cubic inches) 6.41 pounds (2.91 kg)		
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent optional NiMH 2.6 hours 5.2 hours 2 to 3 hrs / 1.5 to 2.5 hrs	Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery (thick models support CD-ROM)	
Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion)		
Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	Dock I and II / SelectaDock I and II and III Port Replicator I and II / SelectaDock Base Model I 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot		
Video in/out MPEG decoder DSP function Data/fax modem Audio support	None None Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave 2.1 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm)		
Jacks Telephone Infrared ports	Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs		
Security	Power-on password / Hard disk password / Supervisor password / Security keyhole / Security latch for keyboard and DIMMS (requires cable lock) / PC Card lock / Personalization / Security Plate		
Preinstalled software Warranty	Windows 95 with applications (listed on right) 3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in		
The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive (option) ⑤ PCMCIA Cartridge (option) ⑥ IBM Wireless Modem for ARDIS (option) ⑦ IBM Wireless Modem for Cellular/CDPD (option) Maximum internal disk capacity on 760E is 10.2 GB with two 5.1 GB disks Easy-Setup is entered by holding F1 when turning on. Integrated Mwave™ DSP provides: ① Data modem function (to 28.8 Kbps) ② Fax modem function (to 14.4 Kbps) ③ Audio function (wave table synthesis) ④ Telephone function - Full duplex speakerphone ⑤ Digital Simultaneous Voice and Data		Compatible in ThinkPad 760E family: - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001 - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock I/II) 46H5994 - SelectaDock I 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette drive 66G0108 - PCMCIA Cartridge (one Type III) 84G1301 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8 - 20 x CD-ROM (UltraBay) 00K7903 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342	
FEATURES OF 760 MODELS Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indentation Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

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