IBM ThinkPad 760EL - withdrawn

IBM® ThinkPad®:	✂ **760EL**
	11.3" DSTN color or 12.1" TFT color - thick

Processor type	**Pentium^a 100/66, 120/60, or 133/66** / 64 bit to L2 cache / 64 bit to mem
Processor upgrade	to Pentium 133/66 MHz which includes 256 KB L2 cache
L2 cache	None (not separately upgradeable)
Removable diskette	3.5" 1.44 MB ◯ / use in UltraBay or attach externally via rear ext FDD port
External FDD port	External FDD port (requires FDD External Attachment Kit 66G3618)
Removable CD-ROM	None / **can upgrade to 4 x, 6 x, or 8 x CD-ROM into UltraBay**

Price

				Pallette of 24 systems				Pallette 24 systems
Type - model	9547-U6G	9547-U6F	9547-U4F	9547-U6R	U4S	U4H	U48	9547-U4R
Preload (see side)	**Win 95**	**Win 95**	**Win 95**	**Blank** (none)		**Win 95**	**OS/2 Connect**	**Blank** (none)
Available date	May 1996	May 1996	May 1996	May 1996		May 1996	July 1996	May 1996
Pentium speed	**100/66 MHz**	**120/60 MHz**	**120/60 MHz**	**120/60 MHz**		**133/66 MHz**		**133/66 MHz**
Remv disk - size / ms	**810 MB** / 13 ms ◯		**1.08 GB** / 13 ms ◯	**810 MB**	**1.08 GB**	**1.08 GB** / 13 ms ◯		**1.08 GB** / 13 ms ◯
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks							

Display - size and type	**11.3 inch DSTN**	**12.1 inch TFT**	**11.3 DSTN**	**12.1 TFT**	**12.1 TFT**	**12.1 inch TFT**
Display - techology	**11.3" SVGA color / 640 x 480 or 800 x 600** 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio			**12.1" SVGA color / 640 x 480 or 800 x 600 / 65,536 sim colors** Black Matrix TFT - active matrix / 100 to 1 contrast ratio		

Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA accelerator / 1 MB EDO DRAM / 70 ns	810 MB = DMA Mode 2 or PIO Mode 4
Graph - arch/data path	PCI 2.1 / 32 bit / external SVGA to 1024 x 768 w/ 256 colors	1.08 GB = DMA Mode 2 or PIO Mode 4
Gaphics - features	Simultaneous LCD and CRT / 180 degree tilt	1.2 GB = DMA Mode 1 or PIO Mode 3

Memory - std / max	**8 MB** / 72 MB or 104 MB	**8 MB** / 72 or 104	**8 MB** / 72 MB or 104 MB	**16 MB** / 80 MB or 104 MB	**16 MB** / 80 or 104 MB
Memory - features	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	Full size alp/num / 85 (8 Fn key functions)
Keyboard slope	**Automated tilt up keyboard** (5.5 degrees)
Pointing / palm rest	**TrackPoint III**ä / integrated palm rest / ext keyboard support (with option cable)

Dimensions	*11.3" models:* 11.7 x 8.3 x 1.98" (192)	*12.1" models:* 11.7 x 8.3 x 2.14" (208)
Weight	*11.3" models:* 6.7 pounds (3.04 kg)	*12.1" models:* 7.03 pounds (3.19 kg)

Battery - type	Lithium Ion / intelligent *(optional NiMH battery supported)*	
Battery - life (1 batt)	*11.3" models:* 3.1 hours	*12.1" models:* 3.3 hours
Battery - life (2 batt)	*11.3" models:* 6.2 hours	*12.1" models:* 6.6 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)
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
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

Video in/out	None	
MPEG decoder	None	***Liftable (pop-up) keyboard* to access and**
DSP function	None	**remove diskette drive, 1st/2nd disk, and 1st/**
Data/fax modem	None	**2nd battery, and other UltraBay options**
Audio support	**16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688**	
	Int stereo speakers / .5 watt / slide volume control / internal microphone	
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm)	
Telephone	None	
Infrared ports	**Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs**	

Security	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

Preinstalled software	Windows 95 with applications (listed on right)
Warranty	**3 year** - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in

WINDOWS 95 PRELOAD

- 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™ Voice™
4. Puma TranXit™
5. Compuserv for Windows
6. NetFinity for Windows 95
- Lotus SmartSuite 96 CD-ROM

OS/2 WARP CONNECT PRELOAD

- IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications
- Online User's Guide
- ThinkPad Features Program
- PC Card Director 4.0
- Diskette Factory
1. Triton CoSession™ Host;
2. Puma TranXit™
3. NetFinity for OS/2
4. Prodigy
- Lotus SmartSuite 4.0 (entitled to SSuite 96)

BLANK PRELOAD

- License for SmartSuite

ThinkPad 760E supported disks:

- 720 MB HDD II EIDE	12.5 mm	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" in higher models)		69H8414
- 3.0 GB (1.96" + models)	17 mm	45H8789

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 indention
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)

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 760EL is 4.2 GB with two 2.1 GB disks

Easy-Setup is entered by holding F1 when turning on.

ThinkPad 760EL supported batteries:

- 760 NiMH Battery (black)	41H9720
- Li-Ion Battery Pack II (gray)	29H9329
- Travel Quick Charger	85G1522
- Car Battery Adapter	49G2167

Compatible in ThinkPad 760EL family:

- Second HDD Adapter	29H9333
- Dock I (1 slot / 1 bay)	3545001
- Dock II (2 slot / 2 bay)	3546001
- IDE Conversion Card (for Dock II)	46H5994
- **SelectaDock I**	**3547001**
- **SelectaDock II**	**3547002**
- Port Replicator I (w/ PCMCIA slots)	66G3510
- Port Replicator II	66G3520
- **SelectaDock Base Model I**	**39H7405**
- 2.88 MB diskette	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** (UltraBay)	**39H7413**
- **6 x CD-ROM** (UltraBay)	**85G1957**
- **8 x CD-ROM** (UltraBay)	**45H8786**
- **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**

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). ◯ = Removable
✂ Models U4F, U4H, U4R, U4S, U48 withdrawn effective January 1997; U6F eff July 1997

IBM® ThinkPad®:	✂ 760EL
	11.3" SVGA DSTN or 12.1" SVGA TFT - thick

Processor type	**Pentium® 120/60 or 133/66** / 64 bit to L2 cache / 64 bit to memory
Processor upgrade	to Pentium 133/66 MHz which includes 256 KB L2 cache
L2 cache	None (not separately upgradeable)ǀ **256 KB** / write-back / direct mapped / 10 ns / synchronous pipelined burst
Removable diskette	3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port
External FDD port	External FDD port (requires FDD External Attachment Kit 66G3618)
Removable CD-ROM	None / **can upgrade to optional CD-ROM into UltraBay**

Price			Pallette of 24 systems	
Type - model	**9547-U6H**	**9547-U4G**	**9547-U4T**	**9547-U4K**
Preload (see side)	**Windows 95**	**Windows 95**	**Blank** (none)	**Windows NT 4.0**
Avail / withdrawn date	October 1996 / July 1997	October 1996 / October 1997	October 1996 / April 1997	Nov 1996 / July 1997
Pentium speed	**120/66 MHz**	**133/66 MHz**	**133/66 MHz**	**133/66 MHz**
Remv disk - size / ms	**1.35 GB** / 13 ms ○	**2.1 GB** / 13 ms ○	**2.1 GB** / 13 ms ○	**2.1 GB** / 13 ms ○
Disk controller	EIDE / busmaster / PCI 2.1 / supports two internal disks			

Display - size and type	**11.3 inch DSTN**	**12.1 inch TFT**	**12.1 inch TFT**	**12.1 inch TFT**
Display - techology	**11.3" SVGA color / 640 x 480 or 800 x 600**	**12.1" SVGA color / 640 x 480, 800 x 600 / 65,536 colors**		
	256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio	Black Matrix TFT - active matrix / 100 to 1 contrast ratio		

Graphics - controller	Trident™ CYBER9320 / 32 bit SVGA / 1 MB EDO DRAM / 70 ns	Trident™ CYBER9385/64 bit SVGA/1 MB EDO DRAM/70 ns
Graph - arch/data path	PCI 2.1 / external SVGA to 1024 x 768 w/ 256 colors	PCI 2.1 / external SVGA to 1024 x 768 w/ 256 colors
Graphics - features	Simultaneous LCD and CRT / 180 degree tilt	

Memory - std / max	**8 MB** / 72 MB or 104 MB	**16 MB** / 72 MB or 104 MB	**16 MB** / 80 MB or 104 MB	**32 MB**/80 MB or 104 MB
Memory - features	70 ns / non-parity / 3.3 volt / EDO / 2 sockets for 2 JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB			1 socket available

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 (with option cable)

WINDOWS 95 PRELOAD

- Microsoft Windows 95
- Online User's Guide
- ThinkPad Features
- PC Card Director 4.0
- Diskette Factory
1. Triton CoSession™ Host
2. Puma TranXit™
3. Compuserv for Windows
4. NetFinity for Windows 95
- Lotus SmartSuite 96 CD-ROM

Dimensions	*11.3" models:* 11.7 x 8.3 x 1.98" (192) *12.1" models:* 11.7 x 8.3 x 2.0" (194)
Weight	*11.3" models:* 6.7 pounds (3.04 kg) *12.1" models:* 6.41 pounds (2.91 kg)

Battery - type	Lithium Ion / intelligent *(optional NiMH battery supported)*
Battery - life (1 batt)	*11.3" models:* 2.7 hours *12.1" models:* 3.0 hours
Battery - life (2 batt)	*11.3" models:* 5.4 hours *12.1" modles:* 6.0 hours
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs

WINDOWS NT 4.0 PRELOAD

- Microsoft Windows NT 4.0 Workstation with utilities and device drivers

  NT model with 32 MB consists of 8 MB on planar, 8 MB in memory carrier, and 16 MB via a SO-DIMM. One SO-DIMM socket is available.

Architecture	ISA (audio, diskette, serial, parallel, infrared, ext expansion)
	PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion)
Docking Station	Dock I and II / **SelectaDock I and II and III**
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
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

BLANK PRELOAD

- License for SmartSuite

Video in/out	None
MPEG decoder	None
DSP function	None
Data/fax modem	None
Audio support	**16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688**
	Int stereo speakers / .5 watt / slide volume control / internal microphone
Jacks	Input jack (3.5 mm) / output jack (3.5 mm)
Telephone	None
Infrared ports	**Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs**

Liftable (pop-up) keyboard **to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options**

ThinkPad 760EL supported batteries:

- 760 NiMH Battery (black)	41H9720
- Li-Ion Battery Pack II (gray)	29H9329
- Travel Quick Charger	85G1522
- Car Battery Adapter	49G2167

Security	Power-on password / Hard disk password / Supervisor password / Security keyhole (requires cable) / Security latch for keyboard and DIMMS (requires cable) / PC Card lock / Personalization / Security Plate

ThinkPad 760E supported disks:

- (360/750/755 IDE disks not supported)		
- 720 MB HDD II EIDE	12.5 mm	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"+ models)	17 mm	29H9325
- 1.4 GB HDD 3L EIDE	12.5 mm	69H8412
- 2.1 GB (1.96"+ models)	17 mm	69H8414
- 3.0 GB (1.96"+ models)	17 mm	45H8789

Preinstalled software	Windows 95 with applications (listed on right)
Warranty	**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 760EL is 4.2 GB with two 2.1 GB disks.

Easy-Setup is entered by holding F1 when turning on.

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
1.35 GB	= DMA Mode 2 or PIO Mode 4
2.1 GB	= DMA Mode 2 or PIO Mode 4

Maximum is 80 MB or 104 MB on all models, but 104 MB requires a ThinkPad Proven vendor option.

Compatible in ThinkPad 760EL family:

- Second HDD Adapter	29H9333
- Dock I (1 slot / 1 bay)	3545001
- Dock II (2 slot / 2 bay)	3546001
- IDE Conversion Card (for Dock 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	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** (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 indention
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)

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