IBM® ThinkPad® T21 - withdrawn

Type-model	Processor	MHz	Mem	Screen	Disk	CD or DVD	Communica	Bay	Preload	Avail
2647-27U	Pentium III	750	128MB	13.3" XGA	10GB[8]	24X-10X[9] CD	modem		98SE	Oct 00
2647-2BU	Pentium III	750	128MB	13.3" XGA	10GB	24X-10X CD	3Com® eth/mod		98SE	Oct 00
2647-67U	Pentium III	750	128MB	13.3" XGA	10GB	24X-10X CD	modem		2000	Oct 00
2647-6BU	Pentium III	750	128MB	13.3" XGA	10GB	24X-10X CD	3Com eth/mod		2000	Oct 00
2647-47U	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X[9] DVD	modem		98SE	Oct 00
2647-4AU	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	Intel® eth/mod		98SE	Oct 00
2647-4BU	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	3Com eth/mod		98SE	Oct 00
2647-87U	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	modem		2000	Oct 00
2647-8AU	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	Intel eth/mod		2000	Oct 00
2647-8BU	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	3Com eth/mod		2000	Oct 00
2647-L7U*	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	modem		Linux®	Oct 00
2647-57U	Pentium III	850	128MB	14.1" SXGA+	32GB	8X-2.3X DVD	modem		98SE	Oct 00
2647-5BU	Pentium III	850	128MB	14.1" SXGA+	32GB	8X-2.3X DVD	3Com eth/mod		98SE	Oct 00
2647-97U	Pentium III	850	128MB	14.1" SXGA+	32GB	8X-2.3X DVD	modem		2000	Oct 00
2647-9BU	Pentium III	850	128MB	14.1" SXGA+	32GB	8X-2.3X DVD	3Com eth/mod		2000	Oct 00

Processor	**Intel® Mobile Pentium® III 750, 800, or 850MHz[1,24] with Intel SpeedStep™ technology and 100MHz system bus**
L2 cache	**256KB** / onboard (at processor speed) / ECC
Memory	**128MB** standard / 512MB maximum[7] / SDRAM / non-parity / 100MHz / PC 100 / 3.3v / two 144-pin SO-DIMM sockets / 128MB in one socket / 1 socket available
Diskette drive	3.5" 1.44MB (use in UltraBay 2000 or attach ext with optional cable via parallel port)
CD-ROM	*Some:* CD-ROM / 24X-10X[9] speed / bootable / removable from Ultrabay™ 2000
DVD-ROM	*Some:* DVD-ROM / 8X-2.3X[9] speed / bootable / removable from Ultrabay 2000
UltraBay 2000	Modular bay for interchangeable devices / on all A and T Series, ThinkPad Dock
Disk	**10GB[8] or 20GB** (4200 rpm) **or 32GB (High speed 5400rpm)** / upgradeable / S.M.A.R.T. / supports 2nd disk with optional HDD Adapter in Ultrabay 2000
Display	**13.3"** (337.8mm) **XGA (1024x768) TFT color** / Active Matrix **14.1"** (358.1mm) **XGA (1024x768) TFT color** / Active Matrix **14.1"** (358.1mm) **SXGA+ (1400x1050) TFT color** / Active Matrix
Graphics controller	*Others:* S3® Savage IX8 / **AGP 2X / 8MB** SGRAM / 64-bit path to memory *5xx/9xx:* S3 Savage IX8+ / **AGP 2X / 8MB** SGRAM / 64-bit path to memory
Graphics - external	External SVGA to various modes such as 16.7 million colors, 85Hz, 1600x1200
Keyboard	**ThinkPad Button** / palm rest / TrackPoint®, Press-to-Select, Internet Scroll Bar
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
UltraPort™	UltraPort connector on top of display for options such as digital Ultraport Camera
Dimensions[3]	12" x 9.8" x 1.3"; 304mm x 250mm x 33.1mm
Approximate weight[2]	with CD or DVD drive and battery: *750MHz:* 5.2 lb; *800MHz:* 5.3 lb; *850MHz:* 5.5 lb
Case material	**Titanium Composite** in the top and bottom covers for enhanced strength[4]
Battery - type	Lithium Ion 6-cell / intelligent / supports unique 2nd battery in Ultrabay 2000
Battery - life[10]	*750MHz:* 3.7hr; *800MHz:* 3.5hr; *850MHz:* 3.2hr
Architecture	**Intel 440BX AGPset** / Intel PIIX4M (EIDE with Ultra DMA/33 or PIO Mode 4 support, ISA Bridge, USB) / TI® PCI1450 for CardBus / AGP 2X for graphics / PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, audio, USB, ext expansion) / PC97338 Super I/O / ISA (diskette, serial, parallel, infrared, ext exp)
Port replicator	Optional **ThinkPad Port Replicator**
Docking Station	Optional **ThinkPad Dock** (includes Ultrabay 2000 and half-size PCI slot)
PC Card Std slots	2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video
Ports	USB: One (Version 1.1) / Serial: one 9 pin / Parallel: one / keyboard / mouse / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet)
Other features	72 watt AC Adapter
Video out	S-video out / one industry standard connector / full MPEG-2 support / optional cable for S-video to composite conversion available
Communicatns Bay	Communications Bay with Mini PCI IIIb slot / customer accessible
Modem	*Some models:* 56K[6] V.90 Mini PCI modem card / Lucent® chip set
Ethernet/modem	*Some models:* IBM 10/100 Ethernet Mini PCI Adapter with 56K Modem (3Com ethernet chipset / 3Com modem chip set) *Some models:* IBM 10/100 EtherJet™ Mini PCI Adapter with 56K Modem / Intel ethernet chipset / Lucent modem chip set
Audio support	PCI audio / SoundBlaster Pro™ support / CS4624 with CS4297A AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / internal microphone / input jack (3.5 mm) / output jack (3.5 mm) / line in jack
Security	Power-on password / hard disk password / supervisor password / security keyhole
Limited warranty[12]	**3 year** - EasyServ™,[19] onsite pickup and delivery courier service

Ultrabay 2000 interchangeable accessories

- 8X-2X DVD Ultrabay 2000 Drive	27L3448
- 2X SuperDisk (LS-120) Ultrabay 2000	27L3451
- 24X-10X CD-ROM Ultrabay 2000 Drive	05K9233
- 4X/4X/20X CD-Read/Write Ultrabay 2000	00N8252
- Zip 250MB Ultrabay 2000 Drive	00N8253
- Ultrabay 2000 Li-Ion battery	02K6646
- Travel Bezel for Ultrabay 2000	08K6070

Wireless connectivity

- IBM 802.11b Wireless LAN PC Card	09N9863
- IBM 802.11b Wireless LAN Access Point	9085NA2
- Bluetooth™ PC Card (avail 4Q 2000)	09N9812

Other

- IBM IEEE 1394 CardBus Card	19K5679
- IBM 1GB Microdrive	07N5574
- T Series FDD External Cable Kit	27L0524

- 64MB SO DIMM 100MHz NP SDRAM	20L0254
- 128MB SO DIMM 100MHz NP SDRAM	20L0255
- 256MB SO DIMM 100MHz NP SDRAM	33L3069
- 10GB HDD	08K9510
- 20GB HDD	27L3439
- 32GB HDD	08K9511
- Second HDD Adapter for Ultrabay 2000	08K6068
- Portable Drive Bay 2000 (accepts all Ultrabay 2000 storage devices)	19K4480
- ThinkPad Port Replicator (A and T Ser)	02K8667
- ThinkPad Dock (A and T Series)	263110U
- ThinkPad T Series Battery	02K6649
- Multiple Li-Ion/NiMH Battery Charger	02K6719
- ThinkPad 72W AC Adapter	02K6699
- ThinkPad Monitor Stand	00N8222
- IBM Ultraport Camera II	04P6135
- RCA video conversion cable	27L0530
- Asset ID RF Adapter	08K6064

Right column

WINDOWS 98 PRELOAD[14]
- Microsoft® Windows® 98 Second Edition[13]
- ThinkPad Utilities
- ThinkPad Assistant™
- ConfigSafe®
- IBM Update Connector™,[15]
- Access ThinkPad II
- PC-Doctor™
- Mediamatics DVD Express (if DVD)
- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 license
- ✧ Software Selections CD-ROM
- ✧ Recovery CD-ROM (Win 98 SE)

WINDOWS 2000 PRELOAD[14]
- Windows 2000 Professional[13]
- ThinkPad Utilities
- ThinkPad Assistant
- ConfigSafe
- IBM Update Connector
- Access ThinkPad II
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- Lotus SmartSuite Millennium and Lotus Notes Client 5.0 license
- ✧ Software Selections CD-ROM
- ✧ Recovery CD-ROM (Windows 2000)
- ✧ Recovery CD-ROM (Windows NT)

LINUX PRELOAD[14]
- Caldera® OpenLinux™ eDesktop 2.4
- Access ThinkPad II
- StarOffice
- Netscape Communicator
- ✧ OpenLinux eDesktop CD-ROM
- ✧ Recovery CD-ROM

The right bay (Ultrabay 2000) supports the following:
- optional or standard CD-ROM
- optional or standard DVD drive
- optional Zip drive
- optional second battery
- optional SuperDisk (LS-120) drive
- optional CD-RW
- optional HDD adapter; for second disk
- optional travel bezel
- optional ThinkPad Proven™ solutions[16]

Service options: Optional service upgrades[22] provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)

PC 99-compliant
CIM and DMI 2.0 compliant
Wired for Management 2.0
Local and remote asset manage ment via the IBM Universal Manageability solutions
IBM PC Lifecycle Care[21] provides proactive life cycle management and transition planning tools
ENERGY STAR compliant
Setup Guide, User's Reference, Windows manual
Asset ID™ wireless RF technology (via installing into disk cover)
Personalized Web-based support
International Warranty Service[17]
IBM SystemXtra®,[20]
24 hour x 7 day[18] toll-free hardware support during the warranty

Communication Bay Options
- IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem by 3Com 09N9774
- IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem 08K3124

Type-model	Processor	MHz	Memory	Screen	Disk	CD or DVD	Communications Bay	Preload	Available
2647-2AU	Pentium III	750	128MB	13.3" XGA	10GB[8]	24X-10X[9] CD	Intel® ethernet/modem	Windows® 98 SE	Nov 2000
2647-6AU	Pentium III	750	128MB	13.3" XGA	10GB	24X-10X CD	Intel ethernet/modem	Windows 2000	Nov 2000
2647-DAU	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X[9] DVD	Intel ethernet/modem	Windows 98 SE, Small Business	Mar 2001
2647-48U	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	modem	Windows 98 SE, Small Business	Mar 2001
2647-EAU	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	Intel ethernet/modem	Windows 2000, Small Business	Mar 2001
2647-88U	Pentium III	800	128MB	14.1" XGA	20GB	8X-2.3X DVD	modem	Windows 2000, Small Business	Mar 2001
2647-5AU	Pentium III	850	128MB	14.1" SXGA+	32GB	8X-2.3X DVD	Intel ethernet/modem	Windows 98 SE	Nov 2000
2647-9AU	Pentium III	850	128MB	14.1" SXGA+	32GB	8X-2.3X DVD	Intel ethernet/modem	Windows 2000	Nov 2000

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Memory	**128MB** standard / 512MB maximum[7] / SDRAM / non-parity / 100MHz / PC 100 / 3.3v / two 144-pin SO-DIMM sockets / 128MB in one socket / 1 socket available
Diskette drive	3.5" 1.44MB (use in UltraBay 2000 or attach ext with optional cable via parallel port)
CD-ROM	*Some:* CD-ROM / 24X-10X[9] speed / bootable / removable from Ultrabay™ 2000
DVD-ROM	*Some:* DVD-ROM / 8X-2.3X[9] speed / bootable / removable from Ultrabay 2000
UltraBay 2000	Modular bay for interchangeable devices / on all A and T Series, ThinkPad Dock
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Limited warranty*,[12]	**3 year** - EasyServ™,[19] onsite pickup and delivery courier service
Service options	Optional service upgrades[22] provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)

WINDOWS 98 PRELOAD[14]
- Microsoft® Windows® 98 Second Edition[13]
- *Some models:* Office 2000 Small Business (Word, Excel, Outlook, Publisher, Small Business Tools) preloaded and CD-ROM
- ThinkPad Utilities
- ThinkPad Assistant™
- ConfigSafe®
- IBM Update Connector™,[15]
- Access ThinkPad II
- PC-Doctor™
- Mediamatics DVD Express (if DVD)
- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 license
◇ Software Selections CD-ROM
◇ Recovery CD-ROM (Win 98 SE)

WINDOWS 2000 PRELOAD[14]
- Windows 2000 Professional[13]
- *Some models:* Office 2000 Small Business preloaded and CD-ROM
- ThinkPad Utilities
- ThinkPad Assistant
- ConfigSafe
- IBM Update Connector
- Access ThinkPad II
- PC-Doctor
- Mediamatics DVD Express (if DVD)
- Lotus SmartSuite Millennium and Lotus Notes Client 5.0 license
◇ Software Selections CD-ROM
◇ Recovery CD-ROM (Windows 2000 and Windows NT)

The right bay (Ultrabay 2000) supports the following:
- optional or standard CD-ROM
- optional or standard DVD drive
- optional Zip drive
- optional second battery
- optional SuperDisk (LS-120) drive
- optional CD-RW
- optional HDD adapter; for 2nd disk
- optional travel bezel
- opt ThinkPad Proven™ solutions[16]

PC 99-compliant
CIM and DMI 2.0 compliant
Wired for Management 2.0
Local and remote asset manage ment via the IBM Universal Manageability solutions
IBM ImageUltra Services available
IBM Rapid Restore PC available to protect software image and data
Setup Guide, User's Reference, Windows manual
Asset ID™ wireless RF technology (via installing into disk cover)
Personalized Web-based support
International Warranty Service[17]
24 hour x 7 day[18] toll-free hardware support during the warranty

Communication Bay Options
- IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem by 3Com — 09N9774
- IBM 10/100 EtherJet Mini PCI Adapter w/ 56K Modem — 08K3124

Ultrabay 2000 interchangeable accessories	
- 8X-2X DVD Ultrabay 2000 Drive	27L3448
- 2X SuperDisk (LS-120) UltraBay 2000	27L3451
- 24X-10X CD-ROM Ultrabay 2000 Drive	05K9233
- 4X/4X/20X CD-Read/Write Ultrabay 2000	00N8252
- Zip 250MB Ultrabay 2000 Drive	00N8253
- Ultrabay 2000 Li-Ion battery	02K6646
- Travel Bezel for Ultrabay 2000	08K6070
Wireless connectivity	
- IBM 802.11b Wireless LAN PC Card	09N9863
- IBM 802.11b Wireless LAN Access Point	9085NA2
- Bluetooth™ PC Card (avail 4Q 2000)	09N9812
Other	
- IBM IEEE 1394 CardBus Card	19K5679
- IBM 1GB Microdrive™	07N5574
- T Series FDD External Cable Kit	27L0524

- 64MB SO DIMM 100MHz NP SDRAM	20L0254
- 128MB SO DIMM 100MHz NP SDRAM	20L0255
- 256MB SO DIMM 100MHz NP SDRAM	33L3069
- 10GB HDD	08K9510
- 20GB HDD	27L3439
- 32GB HDD	08K9511
- Second HDD Adapter for Ultrabay 2000	08K6068
- Portable Drive Bay 2000 (accepts all Ultrabay 2000 storage devices)	19K4480
- ThinkPad Port Replicator (A and T Ser)	02K8667
- ThinkPad Dock (A and T Series)	263110U
- ThinkPad T Series Battery	02K6649
- Multiple Li-Ion/NiMH Battery Charger	02K6719
- ThinkPad 72W AC Adapter	02K6699
- ThinkPad Monitor Stand	00N8222
- IBM Ultraport Camera II	04P6135
- RCA video conversion cable	27L0530
- Asset ID RF Adapter	08K6064

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
US models announced November 2001 or March 1, 2001
US models withdrawn effective July 2001 or April 2002

No warranties are expressed or implied in this summary
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