Type-model	Processor	Speed	Memory	Screen	Disk	Ultrabay optical	Mini PCI Comm Bay	CDC ethernet	CDC Modem	Preload	Workhorse (W) or Global (G) model	Avail date
2652-1BU	Pentium® III-M	933MHz	128MB	14.1" XGA	20GB	CD-ROM	Open	10/100	Modem	Windows® 98 SE	No	Oct 2001
2652-1AU	Pentium III-M	933MHz	128MB	14.1" XGA	20GB	CD-ROM	Open	None	Modem	Windows 98 SE	No	Oct 2001
2652-3BU	Pentium III-M	1.0GHz	128MB	15" SXGA+	30GB	DVD-ROM	Open	10/100	Modem	Windows 98 SE	No	Oct 2001
2652-3CU	Pentium III-M	1.0GHz	128MB	15" SXGA+	30GB	DVD-ROM	802.11b/mod	10/100		Windows 98 SE	No	Oct 2001
2652-4BU	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD-ROM	Open	10/100	Modem	Windows 98 SE	W G	Oct 2001
2652-4CU	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD-ROM	802.11b/mod	10/100		Windows 98 SE	W	Oct 2001
2652-4QU**	Pentium III-M	1.13GHz	256MB	15" XGA	30GB	DVD-ROM	Open	10/100	Modem	Windows 98 SE	W G	Dec 2001

Positioning	*High-performance desktop alternatives with exceptional versatility; three spindle*
Processor	**Mobile Intel® Pentium® III Processor-M 933MHz[1], 1.0GHz, or 1.13GHz[1] with enhanced Intel SpeedStep™ technology and 133MHz front side bus**
L2 cache	**512KB** / on die (at processor speed) / ECC
Memory	**128MB** or **256MB** std / 1GB max[7] / SDRAM / non-parity / 133MHz / PC 133 / 3.3v / two 144-pin SO-DIMM sockets / std memory in one socket / 1 socket available
Diskette drive	None standard / use optional Ultrabay™-based or USB-based diskette drive
CD-ROM	*Some:* CD-ROM / 24X-10X[9] speed / bootable / removable from Ultrabay Plus
DVD-ROM	*Some:* DVD-ROM / 8X-2.3X[9] speed / bootable / removable from Ultrabay Plus
Modular bays	**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)
Disk (removable)	**20 or 30GB**[8] / upgradeable / S.M.A.R.T. / supports two additional disks with optional HDD adapter in each modular bay
Display	**14.1"** (358.1mm) **XGA (1024x768) TFT color** / Active Matrix / 200:1 contrast **15.0"** (381mm) **XGA (1024x768) TFT color** / Active Matrix / 200:1 contrast **15.0"** (381mm) **SXGA+ (1400x1050) TFT color** / Active Matrix / 200:1 contrast
Graphics controller	**ATI® Mobility Radeon™ 7000 / AGP 4X / 16MB** DDR-SDRAM 188MHz
Graphics - external	Supports external digital monitor[5] via the Digital Video Interface (DVI) port on either of the optional docking solutions / DDC2B / 1600x1200x16.7M colors at 85Hz
Keyboard	87-key / Web navigation keys (6 total, 3 customizable) / ThinkPad Button / palm rest / TrackPoint®, "Press-to-Select," Internet Scroll Bar / pitch: 19mm; stroke: 2.7mm
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
UltraPort™	None
Case material	*Color:* black; *Top:* ABS plastic; *Bottom:* glass-fiber reinforced plastic
Dimensions[3]	Approximately 13 x 10.7 x 1.8"; 330mm x 272mm x 45.8mm
Approximate weight[2]	With battery and optical drive: *1xx*: 7.2 lb (2.27kg) *Others*: 7.4 lb (3.36kg)
Battery - type	Lithium Ion 6-cell / intelligent / supports unique 2nd battery in Ultrabay 2000 (left)
Battery - life[10]	3.2 hours / universal 72 watt AC adapter
Architecture	**Intel 830MP** chipset / 82830MP Graphics Memory Controller Hub (GMCH-M) / 82801CAM ICH3-M I/O Controller Hub (ATA-100/66 EIDE, PCI bus, Low Pin Count (LPC) interface, USB) / Intel 82802AB Firmware Hub / PCI bus 2.2 32-bit, 33MHz (Ricoh® R5C476II CardBus controller, Mini PCI, ext expansion) / LPC bus 33MHz (PC87392 Super I/O for diskette, serial, parallel, infrared)
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 / no Zoomed Video
Ports	Two USB (version 1.1) / one 9-pin serial / parallel / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / *some:* RJ-45 (ethernet) / no keyboard or mouse
Video in and out	S-video out / industry standard connector / no cable ships standard
Mini PCI	One Mini PCI IIIb slot (Communications Bay) / customer upgradeable
CDC	Two Communications Daughter Card (CDC) sockets / customer accessible
Modem	*Some:* 56K[6] V.90 (V.92-capable[29]) CDC modem card / Lucent® chip set
802.11b/modem	*Some:* Mini PCI 802.11b wireless, Intersil® Prism 2.5 chipset, diversity antennas in display cover, Wi-Fi-certified / 56K[6] V.90[29] modem combo, Lucent® chipset *Some:* 10/
Ethernet	100 ethernet on Communications Daughter Card / Intel® 82562ET chipset
Bluetooth™	Optional PC Card
IEEE 1394	Optional PC Card
Audio support	SoundBlaster Pro™-compatible / CS4299 AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / mic input jack / output jack / line in jack
Security	Power-on password / hard disk password / supervisor password / security keyhole /
Limited warranty*,[12]	**1 year** - EasyServ™,[19] onsite pickup and delivery courier service
Service options	Service upgrades[22] provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)

SOFTWARE[14]

Windows 98 models
- Microsoft® Windows® 98 Second Edition
- ✧ Disk-to-Disk Recovery (in hidden Service Partition)

INCLUDED SOFTWARE[14] (all)

Preloaded
- Access ThinkPad
- ConfigSafe®
- Mediamatics™ DVD (DVD models)
- PC-Doctor™
- ThinkPad Utilities
- IBM Update Connector™,[15]

Downloadable
- IBM Rapid Restore PC
- IBM Data Transfer
- Universal Manageability Services™

License
- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0

Ultrabay Plus integrated modular bay supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, 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 Series

PC 2001-compliant
ACPI 1.0b and 2.0 support
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, 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

64 MB SO DIMM 133MHz NP SDRAM	19K4650	ThinkPad A30 Series Li-Ion Battery	02K6878
128 MB SO DIMM 133MHz NP SDRAM	19K4652	Ultrabay 2000 Li-Ion battery	02K6646
256 MB SO DIMM 133MHz NP SDRAM	19K4654	ThinkPad 72W AC Adapter	02K6699
512 MB SO DIMM 133MHz NP SDRAM	19K4656	Multiple Li-Ion/NiMH Battery Charger	02K6719
USB Portable Diskette Drive	05K9276	ThinkPad Port Replicator	02K8667
ThinkPad Removable Diskette Drive	08K9603	ThinkPad Dock	263120U
SuperDisk (LS-240) UltraBay 2000	08K9616	ThinkPad Monitor Stand 2001	22P5265
Zip 250MB Ultrabay 2000 Drive	00N8253	Portable Drive Bay 2000	19K4480
24X-10X CD-ROM Ultrabay 2000 Drive	05K9233	Bluetooth PC Card II from IBM	19K5796
8X/4X/24X Max CD-RW Ultrabay 2000	08K9569	IBM IEEE 1394 CardBus Card	19K5679
8X-3X DVD Ultrabay 2000 Drive	27L3448	10/100 EtherJet CardBus Adapter	08L3147
CD-RW/DVD Combo Ultrabay 2000	08K9572	10/100 Enet /56K Mini PCI (3Com)	09N9774
Travel Bezel for Ultrabay 2000	08K6070	Intel Pro/100 SP Mini PCI	06P3801
Second HDD Adapter for Ultrabay 2000	08K6068	IBM High Rate Wireless PC Card 128	09N9904
IBM ThinkPad Ultrabay Plus Carrier	22P5737	15GB HDD	08K9588
IBM ThinkPad Ultrabay Plus c500 Cradle	22P5738	30GB HDD	08K9593
ThinkPad Ultrabay Plus Numeric Keypad	22P7330	48GB HDD (5400 rpm)	08K9600

ServicePac®,[22] 1yr IOR 9x5 NBD
 30L9188
ServicePac 2yr IOR 9x5 NBD
 30L9189
ServicePac 3yr IOR 9x5 NBD
 30L9195
ServicePac 2yr P&L P/U Depot
 30L9191
ServicePac 3yr P&L P/U Depot
 30L9192

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
** Special ordering only
US models announced October 9 or November 27, 2001
US models withdrawn effective April 2002

Type-model	Processor	Speed	Memory	Screen	Disk	Ultrabay optical	Mini PCI Comm Bay	CDC Modem	CDC ethernet	Preload	Small Bus software	Workhorse or Global model	Avail date
2652-13U	Pentium® III-M	933MHz	128MB	14.1" XGA	20GB[8]	CD-ROM	Open	Mod	10/100	Windows® XP Pro		No	Nov 2001
2652-14U	Pentium III-M	933MHz	128MB	14.1" XGA	20GB	CD-ROM	Open	Mod	10/100	Windows 2000		No	Oct 2001
2652-1TU	Pentium III-M	933MHz	128MB	14.1" XGA	20GB	CD-ROM	Open	Mod	10/100	Windows 2000	XP Off SB[28]	No	Oct 2001
2652-4TU	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD	Open	Mod	10/100	Windows 2000	XP Off SB	No	Oct 2001
2652-34U	Pentium III-M	1.0GHz	128MB	15" SXGA+	30GB	DVD	Open	Mod	10/100	Windows 2000		No	Oct 2001
2652-36U	Pentium III-M	1.0GHz	128MB	15" SXGA+	30GB	DVD	Wi-Fi[32]/mod		10/100	Windows 2000		No	Oct 2001
2652-44U	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD	Open	Mod	10/100	Windows 2000		W G	Oct 2001
2652-46U	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD	Wi-Fi/mod		10/100	Windows 2000		W	Oct 2001
2652-33U	Pentium III-M	1.0GHz	128MB	15" SXGA+	30GB	DVD	Open	Mod	10/100	Windows XP Pro		No	Nov 2001
2652-35U	Pentium III-M	1.0GHz	128MB	15" SXGA+	30GB	DVD	Wi-Fi/mod		10/100	Windows XP Pro		No	Nov 2001
2652-43U	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD	Open	Mod	10/100	Windows XP Pro		W	Nov 2001
2652-45U	Pentium III-M	1.13GHz	128MB	15" XGA	30GB	DVD	Wi-Fi/mod		10/100	Windows XP Pro		W	Nov 2001
2652-4PU**	Pentium III-M	1.13GHz	256MB	15" XGA	30GB	DVD	Open	Mod	10/100	Windows 2000		W G	Dec 2001

Positioning	*High-performance desktop alternatives with exceptional versatility; three spindle*
Processor	**Mobile Intel® Pentium® III Processor-M 933MHz, 1.0GHz, or 1.13GHz** with enhanced Intel SpeedStep™ technology[1] and 133MHz frontside bus
L2 cache	**512KB** / on die (at processor speed) / ECC
Memory	**128MB** or **256MB** std / 1GB max[7] / SDRAM / non-parity / 133MHz / PC 133 / 3.3v / two 144-pin SO-DIMM sockets / std memory in one socket / 1 socket available
Diskette drive	None standard / use optional Ultrabay™-based or USB-based diskette drive
CD-ROM	*Some:* CD-ROM / 24X-10X[9] speed / bootable / removable from Ultrabay Plus
DVD-ROM	*Some:* DVD-ROM / 8X-2.3X[9] speed / bootable / removable from Ultrabay Plus
Modular bays	**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)
Disk (removable)	**20 or 30GB**[8] / upgradeable / S.M.A.R.T. / supports two additional disks with optional HDD adapter in each modular bay
Display	**14.1"** (358.1mm) **XGA (1024x768) TFT color** / Active Matrix / 200:1 contrast **15.0"** (381mm) **XGA (1024x768) TFT color** / Active Matrix / 200:1 contrast **15.0"** (381mm) **SXGA+ (1400x1050) TFT color** / Active Matrix / 200:1 contrast
Graphics controller	**ATI® Mobility Radeon™ 7000** / **AGP 4X** / **16MB** DDR-SDRAM 188MHz
Graphics - external	Supports external digital monitor[5] via the Digital Video Interface (DVI) port on either of the optional docking solutions / DDC2B / 1600x1200x16.7M colors at 85Hz
Keyboard	87-key / Web navigation keys (6 total, 3 customizable) / ThinkPad Button / palm rest / TrackPoint®, "Press-to-Select," Internet Scroll Bar / pitch: 19mm; stroke: 2.7mm
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
UltraPort™	None
Case material	*Color:* black; *Top:* ABS plastic; *Bottom:* glass-fiber reinforced plastic
Dimensions[3]	Approximately 13 x 10.7 x 1.8"; 330mm x 272mm x 45.8mm
Approximate weight[2]	with battery and optical drive: *1xx:* 7.2 lb (3.27kg); *Others:* 7.4 lb (3.36kg)
Battery - type	Lithium Ion 6-cell / intelligent / supports unique 2nd battery in Ultrabay 2000 (left)
Battery - life[10]	3.2 hours / universal 72 watt AC adapter
Architecture	**Intel 830MP** chipset / 82830MP Graphics Memory Controller Hub (GMCH-M) / 82801CAM ICH3-M I/O Controller Hub (ATA-100/66 EIDE, PCI bus, Low Pin Count (LPC) interface, USB) / Intel 82802AB Firmware Hub / PCI bus 2.2 32-bit, 33MHz (Ricoh® R5C476II CardBus controller, Mini PCI, ext expansion) / LPC bus 33MHz (PC87392 Super I/O for diskette, serial, parallel, infrared)
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 / no Zoomed Video
Ports	Two USB (version 1.1) / one 9-pin serial / parallel / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet) / no keyboard or mouse
Video out	S-video out port (TV out) / industry standard connector / no cable ships standard
Mini PCI	One Mini PCI type III slot (Communications Bay) / customer upgradeable
CDC	Two Communications Daughter Card (CDC) sockets / customer accessible
Modem	*Some:* 56K[6] V.90 (V.92-capable[29]) CDC modem card / Lucent® chip set
Wi-Fi[32]/modem	*Some:* Mini PCI Wi-Fi[32] wireless[4], Intersil® Prism 2.5 chipset, diversity antennas in display cover, Wi-Fi-certified / 56K[6] V.90[29] modem combo, Lucent® chipset
Ethernet	10/100 ethernet on Communications Daughter Card / Intel® 82562ET chipset
Audio support	SoundBlaster Pro™-compatible / CS4299 AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / mic input jack / output jack / line in jack
Security	Power-on password / hard disk password / supervisor password / security keyhole /
Limited warranty[12]	**1 year** - EasyServ™,[19] onsite pickup and delivery courier service
Service options	Service upgrades[22] provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)

SOFTWARE[14]

Windows XP Pro models
- Microsoft® Windows® XP Professional
- ✧ Disk-to-Disk Recovery (in hidden Service Partition)

Windows 2000 models
- Microsoft Windows 2000 Professional[13]
- ✧ Disk-to-Disk Recovery (in hidden Service Partition)

INCLUDED SOFTWARE[14] (all)

Preloaded
- Access ThinkPad
  - Access Connections
  - Access Help
- ConfigSafe®
- Mediamatics™ DVD
- PC-Doctor™
- ThinkPad Utilities

Downloadable
- IBM Rapid Restore™ PC
- IBM Data Transfer
- Universal Manageability Services™
- IBM Update Connector™,[15]

License
- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0

Office XP Small Business models
- Microsoft Office XP Small Business[28] (Word, Excel, Outlook, Publisher, Small Business Tools)
- ✧ Office XP Small Business CD

Ultrabay Plus integrated modular bay supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, 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 Series

PC 2001-compliant
ACPI 1.0b and 2.0 support
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, 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

64 MB SO DIMM 133MHz NP SDRAM	19K4650	ThinkPad A30 Series Li-Ion Battery	02K6878
128 MB SO DIMM 133MHz NP SDRAM	19K4652	Ultrabay 2000 Li-Ion battery	02K6646
256 MB SO DIMM 133MHz NP SDRAM	19K4654	ThinkPad 72W AC Adapter	02K6699
512 MB SO DIMM 133MHz NP SDRAM	19K4656	Multiple Li-Ion/NiMH Battery Charger	02K6719
ThinkPad Removable Diskette Drive	08K9603	ThinkPad Port Replicator	02K8667
SuperDisk (LS-240) UltraBay 2000	08K9616	ThinkPad Dock	263120U
Zip 250MB Ultrabay 2000 Drive	00N8253	Portable Drive Bay 2000	19K4480
8X/4X/24X Max CD-RW Ultrabay 2000	08K9569	10/100 EtherJet™ CardBus Adapter	08L3147
8X-3X DVD Ultrabay 2000 Drive	27L3448	10/100 Enet /56K Mini PCI (3Com)	09N9774
CD-RW/DVD Combo Ultrabay 2000	08K9572	ServicePac®,[22] 1yr IOR 9x5 NBD	30L9188
Travel Bezel for Ultrabay 2000	08K6070	ServicePac 2yr IOR 9x5 NBD	30L9189
Second HDD Adapter for Ultrabay 2000	08K6068	ServicePac 3yr IOR 9x5 NBD	30L9195
IBM ThinkPad Ultrabay Plus Carrier	22P5737	ServicePac 2yr P&L P/U Depot	30L9191
IBM ThinkPad Ultrabay Plus c500 Cradle	22P5738	ServicePac 3yr P&L P/U Depot	30L9192
ThinkPad Ultrabay Plus Numeric Keypad	22P7330		

15GB HDD	08K9588
40GB HDD	08K9687
48GB HDD (5400 rpm)	08K9600

See footnotes for important warranty information; ** Special ordering only
US models announced October 9 or November 27, 2001; US models withdrawn effective August 2002

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Type-model	Processor	Speed	Memory	Screen	Disk	Ultrabay optical	Ultrabay diskette	Mini PCI wireless/modem	CDC ethernet	Preload	Limited warranty	Avail date
2652-1UU	Pentium® III-M	1.0GHz	128MB	14.1" XGA	20GB[8]	CD-ROM	Diskette	Wi-Fi[32]/modem	10/100	Windows® XP Pro	1 yr	Apr 2002
2653-1UU	Pentium III-M	1.0GHz	128MB	14.1" XGA	20GB	CD-ROM	Diskette	Wi-Fi/modem	10/100	Windows XP Pro	3 yr	Apr 2002

These educational models of the ThinkPad A30 notebook must be sold only to qualified education customers. Qualified institution/customer is a public or private K-12 (or higher) accredited school organized and operated exclusively for educational purposes for use by Qualified Students and/or Qualified Teachers.

This model for education is for sale direct from IBM or through an Authorized Education Reseller.
The model or models for education are not available for resale to any other organization or individual.

Positioning	*High-performance desktop alternatives with exceptional versatility; three spindle*
Processor	**Mobile Intel**® **Pentium**®**III Processor-M 1.0GHz** with enhanced Intel SpeedStep™ technology[1] and 133MHz frontside bus
L2 cache	**512KB** / on die (at processor speed) / ECC
Memory	**128MB** std / 1GB max[7] / SDRAM / non-parity / 133MHz / PC133-compliant / 3.3v / two 144-pin SO-DIMM sockets / std memory in one socket / one socket available
Diskette drive	3.5" 1.44MB / removable from Ultrabay™ 2000 (but travel bezel in bay at ship)
CD-ROM	CD-ROM / 24X-10X[9] speed / bootable / removable from Ultrabay Plus
Modular bays	**Two modular bays** for interchangeable devices / **Ultrabay 2000** (left side with travel bezel or diskette) and **Ultrabay Plus** (right side with CD-ROM)
Disk (removable)	**20GB**[8] / upgradeable / S.M.A.R.T. / supports two additional disks with optional HDD adapter in each modular bay
Display	**14.1"** (358.1mm) **XGA (1024x768) TFT color** / Active Matrix / 200:1 contrast
Graphics controller	**ATI**® **Mobility Radeon**™ **7000** / **AGP 4X** / **16MB** DDR-SDRAM 188MHz
Graphics - external	Supports external digital monitor[5] via the Digital Video Interface (DVI) port on either of the optional docking solutions / DDC2B / 1600x1200x16.7M colors at 85Hz
Keyboard	87-key / Web navigation keys (6 total, 3 customizable) / ThinkPad Button / palm rest / TrackPoint®, "Press-to-Select," Internet Scroll Bar[13] / pitch: 19mm; stroke: 2.7mm
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
UltraPort™	None
Case material	*Color:* black; *Top:* ABS plastic; *Bottom:* glass-fiber reinforced plastic
Dimensions[3]	Approximately 13 x 10.7 x 1.8"; 330mm x 272mm x 45.8mm
Approximate weight[2]	with battery and optical drive: 7.4 lb (3.36kg)
Battery - type	Lithium Ion 6-cell / intelligent / supports unique 2nd battery in Ultrabay 2000 (left)
Battery - life[10]	3.2 hours / universal 72 watt AC adapter
Architecture	**Intel 830MP** chipset / 82830MP Graphics Memory Controller Hub (GMCH-M) / 82801CAM ICH3-M I/O Controller Hub (ATA-100/66 EIDE, PCI bus, Low Pin Count (LPC) interface, USB) / Intel 82802AB Firmware Hub / PCI bus 2.2 32-bit, 33MHz (Ricoh® R5C476II CardBus controller, Mini PCI, ext expansion) / LPC bus 33MHz (PC87392 Super I/O for diskette, serial, parallel, infrared)
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 / no Zoomed Video
Ports	Two USB (version 1.1) / one 9-pin serial / parallel / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet) / no keyboard or mouse
Video out	S-video out port (TV out) / industry standard connector / no cable ships standard
Mini PCI	One Mini PCI type III slot (Communications Bay) / customer upgradeable
Wi-Fi[32]/modem	Mini PCI Wi-Fi[32] wireless[4], Intersil® Prism 2.5 chipset, dual antennas in display cover, Wi-Fi-certified / 56K[6] V.90 (V.92-designed[29]) modem combo, Lucent® chipset
CDC	Two Communications Daughter Card (CDC) sockets / customer accessible
Ethernet	10/100 ethernet on CDC / Intel 82562ET chipset (physical layer)
Open	One Communications Daughter Card (CDC) socket open
Audio support	SoundBlaster Pro™-compatible / CS4299 AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / mic input jack / output jack / line in jack
Security	Power-on password / hard disk password / supervisor password / security keyhole /
Limited warranty*,[12]	*2652:* **1 year** - EasyServ™,[19] onsite pickup and delivery courier service *2653:* **3 years**/1 year battery - EasyServ™,[19] onsite pickup and delivery courier service
Service options	Service upgrades[22] provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)

SOFTWARE[14]

Windows XP Pro models
- Microsoft® Windows® XP Professional
- Disk-to-Disk Recovery (in hidden Service Partition)

INCLUDED SOFTWARE[14] **(all)**

Preloaded
- Access ThinkPad
  - Access Connections
  - Access Support
  - Access Help
- ConfigSafe®
- Mediamatics™ DVD
- PC-Doctor™
- IBM Update Connector™,[15]
- ThinkPad Utilities

Downloadable
- IBM Rapid Restore™ PC
- IBM Data Transfer
- IBM Director Agent

License
- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0

Ultrabay Plus integrated modular bay supports most Ultrabay 2000 devices including CD-RW/DVD Combo drive, 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 Series

PC 2001-compliant
ACPI 1.0b and 2.0 support
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, Service and Trouble- shooting Guide, Windows manual
Personalized Web-based support[31]
International Warranty Service[17]
24 hour x 7 day[18] toll-free hardware support during the warranty[12]

64 MB SO DIMM 133MHz NP SDRAM	19K4650	ThinkPad A30 Series Li-Ion Battery	02K6878
128 MB SO DIMM 133MHz NP SDRAM	19K4652	Ultrabay 2000 Li-Ion battery	02K6646
256 MB SO DIMM 133MHz NP SDRAM	19K4654	ThinkPad 72W AC Adapter	02K6699
512 MB SO DIMM 133MHz NP SDRAM	19K4656	Multiple Li-Ion/NiMH Battery Charger	02K6719
ThinkPad Removable Diskette Drive	08K9603	ThinkPad Port Replicator	02K8667
SuperDisk (LS-240) UltraBay 2000	08K9616	ThinkPad Dock	263120U
Zip 250MB Ultrabay 2000 Drive	00N8253	Portable Drive Bay 2000	19K4480
8X/4X/24X Max CD-RW Ultrabay 2000	22P9101	10/100 EtherJet™ CardBus Adapter	08L3147
Ultralight 8X Max DVD Ultrabay 2000	22P9102	10/100 Enet /56K Mini PCI (3Com)	09N9774
DVD/CD-RW Combo II Ultrabay 2000	08K9701	*2652:* ServicePac®,[22] 1yr IOR 9x5 NBD	30L9188
Travel Bezel for Ultrabay 2000	08K6070	*2652:* ServicePac 2yr IOR 9x5 NBD	30L9189
Second HDD Adapter for Ultrabay 2000	08K6068	*2652:* ServicePac 3yr IOR 9x5 NBD	30L9195
IBM ThinkPad Ultrabay Plus Carrier	22P5737	*2652:* ServicePac 2yr P&L P/U Depot	30L9191
IBM ThinkPad Ultrabay Plus c500 Cradle	22P5738	*2652:* ServicePac 3yr P&L P/U Depot	30L9192
ThinkPad Ultrabay Plus Numeric Keypad	22P7330	*2653:* ServicePac 2yr IOR 9x5 NBD	30L9190
20GB Hard Disk Drive	08K9686	*2653:* ServicePac 3yr IOR 9x5 NBD	30L9197
40GB Hard Disk Drive	08K9687		
60GB HS Hard Disk 9.5mm (5400 rpm)	08K9688		

See footnotes for important warranty information
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