

*Award-winning Options by IBM*



# Microsoft Windows 2000 Options Compatibility Matrix

Let Options by IBM help you harness the power of Microsoft® Windows® 2000. Our broad choice of award-winning options is designed to help you capitalize on the latest technologies found in Microsoft's newest operating system.

IBM and Microsoft are working closely together for a smooth transition to Windows 2000. Located just down the road from Microsoft's Redmond, WA (U.S.) facility is the IBM Center for Microsoft Technologies (ICMT). The center is staffed with a team of software engineers dedicated to rigorously testing IBM hardware and Windows 2000. The result is collaborative development, extensive product testing and logo certification.

This one-time Options Compatibility Matrix will help you plan for your future Microsoft Windows 2000 implementation.



## Options by IBM



**Key**

*c = Certification*—the award of a document demonstrating that an Options by IBM product has been officially tested to work with Microsoft Windows 2000.

*x = Compatible*—an Options by IBM product that works in harmony on a task-oriented level with Microsoft Windows 2000 (i.e. communicates, shares data or operates programs).

Not all models or products are available in all countries. For the most up-to-date compatibility information, visit our web site at [www.ibm.com/options](http://www.ibm.com/options).

Part #	Description	PC 300 desktops	IntelliStation workstations	ThinkPad notebooks	Netfinity servers
<b>Memory</b>					
<b>SDRAM DIMM non-parity</b>					
04K0070	32MB 66MHz	x			
04K0071	64MB 66MHz	x			
04K0072	128MB 66MHz	x			
01K 1136	32MB 100MHz	x			
01K 1137	64MB 100MHz	x			
01K 1138	128MB 100MHz	x			
01K 1139	256MB 10MHz	x			
33L3071	64MB 133MHz	x			
33L3073	128MB 133MHz	x			
33L3075	256MB 133MHz	x			
33L3077	512MB 133MHz	x			
<b>ECC SDRAM DIMM</b>					
04K0073	32MB 66MHz	x	x		
04K0074	64MB 66MHz	x	x		
04K0075	128MB 66MHz	x	x		
01K 1133	32MB 100MHz	x	x		
01K 1130	64MB 100MHz	x	x		
01K 1131	128MB 100MHz	x	x		
33L3079	64MB 133MHz	x			
33L3081	128MB 133MHz	x			
33L3083	256MB 133MHz	x			
20L0256	128MB 100MHz (Registered)		x		
01K 1132	256MB 100MHz (Registered)		x		
20L0257	512MB 100MHz (Registered)		x		
<b>RDRAM RIMM</b>					
33L3099	64MB 700MHz	x			
33L3101	128MB 700MHz 8D	x			
33L3103	256MB 700MHz 16D	x			

<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
20L0270	64MB 800MHz 4D	x			
20L0271	128MB 800MHz 8D	x			
20L0273	256MB 800MHz 16D	x			
<b>ECC</b>					
33L3093	64MB 60MHz 4D RIMM		x		
33L3095	128MB 60MHz 8D RIMM		x		
33L3097	256MB 60MHz 16D RIMM		x		
33L3105	64MB 70MHz 4D RIMM	x	x		
33L3107	128MB 70MHz 8D RIMM	x	x		
33L3109	256MB 70MHz 16D RIMM	x			
20L0274	64MB 800MHz 4D RIMM	x	x		
20L0275	128MB 800MHz 8D RIMM	x	x		
20L0277	256MB 800MHz 16D RIMM	x	x		
<b>EDO non-parity</b>					
92G7342	32MB (60ns)			x	
76H0268	64MB (60ns)			x	
<b>SDRAM (non-parity)</b>					
76H0284	32MB 66MHz			x	
20L0241	64MB 66MHz			x	
01K1150	128MB 66MHz			x	
20L0253	32MB 10MHz			x	
20L0254	64MB 100MHz			x	
20L0255	128MB 100MHz			x	
33L3069	256MB 100MHz			x	
<b>DIMM ECC</b>					
01K8044	256MB Memory Expansion Kit				x
01K8045	512MB Memory Expansion Kit				x
01K8046	1GB <sup>1</sup> Memory Expansion Kit				x
01K8004	Memory DIMM Expansion Card				x
28L4732	512MB Advanced Memory Expansion Kit				x
28L4454	Memory DIMM Expansion Card				x
<b>DIMM SDRAM Registered</b>					
01K8043	256MB 100MHz ECC RDIMM				x
01K7241	64MB 100MHz				x
01K7262	128MB 100MHz ECC RDIMM				x
01K7263	512MB 100MHz ECC RDIMM				x
20L0245	128MB SDRAM ECC RDIMM II				x

<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
20L0247	256MB SDRAM ECC RDIMM II				x
20L0249	512MB SDRAM ECC RDIMM II				x
33L3058	PC 133 128MB SDRAM ECC RDIMM				x
33L3060	PC 133 256MB SDRAM ECC RDIMM				x
33L3062	PC 133 512MB SDRAM ECC RDIMM				x
33L3064	1GB SDRAM ECC RDIMM				x
<b>DIMM SDRAM Unregistered</b>					
01K8022	64MB 100MHz ECC (unbuffered)				x
01K8023	128MB 100MHz ECC (unbuffered)				x
<b>Processors</b>					
<b>Intel® Pentium® II</b>					
01K6600	266MHz <sup>2</sup> upgrade with Pentium II Processor				x
10L5886	300MHz upgrade with Pentium II Processor				x
10L5883	350MHz/100MHz 512KB upgrade with Pentium II Processor				x
10L5884	400MHz/100MHz 512KB upgrade with Pentium II Processor		x		x
10L5900	450MHz/512KB Cache Processor		x		x
01K8049	Upgrade for Pentium II Xeon™ Processor				x
01K7264	5500 400MHz/512KB upgrade with Pentium II Xeon Processor				x
10L5894	5500 400MHz/1MB upgrade with Pentium II Xeon Processor				x
10L5901	5500 450MHz/512KB upgrade with Pentium II Xeon Processor				x
10L5902	5500 450MHz/1MB upgrade with Pentium II Xeon Processor				x
01K8006	7000 M10 400MHz/512KB upgrade with Pentium II Xeon Processor				x
01K8007	7000 M10 400MHz/1MB upgrade with Pentium II Xeon Processor				x
10L5895	450MHz/512KB Deschutes Slot 2 Processor				x
10L5896	450MHz/1MB Deschutes Slot 2 Processor				x
10L5897	450MHz/2MB Deschutes Slot 2 Processor				x
<b>Intel Pentium III</b>					
28L1014	Four-way Processor upgrade Kit				x
36L9673	500MHz/512KB upgrade with Pentium III Processor		x		x
33L5112	550MHz/512KB Pentium III Processor		x		x
33L5053	500MHz/512KB upgrade with Pentium III Processor				x

<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
33L5054	500MHz/1MB upgrade with Pentium III Processor				x
28L4733	500MHz/512KB upgrade with Pentium III Processor				x
28L4734	500MHz/1MB upgrade with Pentium III Processor				x
28L4735	500MHz/2MB upgrade with Pentium III Processor				x
33L5107	550MHz/512KB Pentium III Processor				x
33L5108	550MHz/1MB Pentium III Processor				x
33L5109	550MHz/2MB Pentium III Processor				x
33L5106	600MHz/512KB upgrade with Pentium III Processor				x
33L5103	550MHz/512KB Pentium III Xeon Processor				x
33L5104	550MHz/1MB Pentium III Xeon Processor				x
33L5105	550MHz/2MB Pentium III Xeon Processor				x
00N7948	600EB MHz 133 FSB/256 Upgrade with Pentium III Processor				x
10K2164	650MHz/256KB upgrade with Pentium III Processor				x
10K2165	700MHz/256KB upgrade with Pentium III Processor				x
10K2168	533EB MHz 133 FSB/256KB upgrade with Pentium III Processor				x
00N7949	667MHz 133 FSB/256KB upgrade with Pentium III Processor				x
<b>Storage</b>					
<b>Hard disk drives</b>					
01K1327	4.5GB Wide Ultra SCSI	x	x		x
01K1328	9.1GB Wide Ultra SCSI	x	x		x
20L0553	9.1GB 7200rpm Wide Ultra2 SCSI HDD, 68-pin	x	x		x
20L0554	18GB 7200rpm Wide Ultra SCSI HDD, 68-pin		x		x
33L4958	10.1GB 7200rpm EIDE	x	x		
33L4956	12.8GB 5400rpm EIDE	x			
33L4959	6.4GB 5400rpm EIDE	x			
00N8202	10.1GB 5400rpm EIDE HDD	x			
33L5043	13.5GB 7200rpm EIDE	x	x		
33L5044	20.4GB 7200rpm EIDE	x	x		
00N8071	9.1GB 10000rpm Ultra160 SCSI		x		x
20L0539	9.1GB 10,000rpm Wide Ultra2 SCSI HDD		x		
20L0540	18.2GB 10,000rpm Wide Ultra2 SCSI HDD		x		
00N8072	18.2GB 10000rpm Ultra160 SCSI		x		x
20L0548	10.1GB Deskstar GXP EIDE HDD		x		
01K1279	3.5" 6.4GB Deskstar 5 Ultra ATA HDD	x			

<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
01K1329	6.4GB 7200rpm EIDE HDD		x		
01K1324	16.8GB Deskstar EIDE ATA-4 HDD	x	x		
01K1316	3.5" 8.4GB Ultra ATA HDD	x	x		
01K1330	9.1GB 7200rpm EIDE HDD		x		
01K1323	18.2GB W Ultra SCSI HDD		x		x
05K8983	10GB Hard Disk Drive with Adapter			x	
05k9199	6GB Hard Disk Drive			x	
05K9200	12GB Hard Disk Drive			x	
00N8073	340MB Microdrive			x	
37L2993	18GB Hard Disk Drive			x	
36L9293	10.1GB Hard Disk Drive			x	
<b>Hot-Swap HDD</b>					
94G7429	4.51GB Wide Ultra SCSI SCA-1				x
01K8053	9.1GB Wide Ultra SCSI SCA-2 SL				x
02K0440	18.2GB Wide Ultra SCSI Hot-Swap HDD				x
02K0441	36.4GB Wide Ultra SCSI Hot-Swap HDD				x
01K8054	9.1GB 10,000rpm Wide Ultra SCSI SL SCA-2				x
01K8503	18GB 10,000rpm Wide Ultra SCSI SCA-2				x
36L9806	9.1GB 120K-3 Wide Ultra SCSI Hot-Swap SL HDD				x
36L9807	18.2GB 10K-3 Wide Ultra SCSI Hot-Swap SL HDD				x
36L9808	34.4GB 10K-3 Wide Ultra SCSI Hot-Swap SL HDD				x
36L9744	9GB 7000rpm Hot-Swap HDD				x
36L9745	18GB 7200rpm Hot-Swap HDD				x
36L9746	36GB 7200rpm Hot-Swap HDD				x
36L9748	9GB 10,000rpm Wide Ultra SCSI SH SCA-2 HDD				x
36L9749	18GB 10,000rpm Wide Ultra SCSI SH SCA-2 HDD				x
36L9750	36GB 10,000rpm Wide Ultra SCSI SH SCA-2 HDD				x
<b>Repeater</b>					
94G7585	NetMEDIA Systems Management Adapter				x
<b>Controller Adapters</b>					
37L6086	Netfinity® ServeRAID™3HB Ultra2 SCSI Adapter				c
01K7207	ServeRAID 3H Ultra2 SCSI Adapter				c
01K7364	ServeRAID 3L Ultra2 SCSI Adapter				c
01K7297	Netfibre PCI Adapter				c
<b>Storage External Enclosures</b>					
35261RU	Fibre Channel Raid Controller				c
01K7296	Fibre Channel Fail-safe RAID Controller				c

<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
<b>Tape Library</b>					
3502314	DLT Tape Library – Tower				x
3502108	DLT Tape Autoloader				x
3502R14	DLT Tape Library – Rack				x
<b>Tape Backup</b>					
01K1319	10/20GB NS Internal SCSI Tape Drive	x	x		x
01K1320	20/40 DLT Internal Tape Drive				x
01K1282	12/24GB DDS/3 4mm Internal Tape Drive		x		x
01K1325	20/40GB 8mm Internal SCSI Tape Drive in Stealth black		x		x
00N7990	40/80GB DLT Internal Tape Drive				x
00N7991	DDS/4 4mm Internal Tape Drive		x		x
00N7992	120/240GB DDS/4 Tape Autoloader				x
20L0549	10/20GB TR5 Internal EIDE	x	x		
<b>Hard disk drive storage enclosures</b>					
35301RU	Netfinity EXP200 Storage Expansion Unit				c
35301RX	Netfinity EXP200 Storage Expansion Unit				c
3518001	PC Server Enterprise Expansion Enclosure				x
<b>CD-ROM and DVD-ROM Drives</b>					
33L5001	48X-20X <sup>3</sup> Internal IDE CD-ROM	x			
33L4971	40X-17X Internal IDE CD-ROM Drive	x			
33L5003	6X Max Black Internal IDE DVD-ROM Drive		x		x
33L5016	8X Max Black Internal IDE DVD ROM		x		
05K8886	DVD Drive for ThinkPad 770			x	
10L1228	DVD Enhanced Video Adapter for ThinkPad®770			x	
02K0516	24X-10X CAV Internal IDE CD-ROM Drive			x	
05K8890	UltraSlimBay DVD Drive			x	
00K7903	8X-20X IDE CD-ROM Drive			x	
85G1957	UltraSlim Internal 6X IDE CD-ROM drive for Docking Station			x	
11J8950	ThinkPad 770 DVD/CD-ROM Drive			x	
12J2471	24X-10X CD-ROM Drive for ThinkPad 600			x	
04K0058	32X-12X Internal CD-ROM Drive		x		
<b>Diskette Drives</b>					
00N8078	Zip 250MB Internal Drive	x	x		
20L0544	Zip 100MB IDE Internal Drive	x			
20L1929	Super Disk (LS-120) UltraSlimBay Drive			x	
37L1504	Zip 100MB UltraSlimBay Drive			x	

<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
<b>Adapters</b>					
02K3454	PCI Wide Ultra SCSI Adapter	x	x		x
33L5134	16-BIT PCI AUDIO ADAPTER	x	x		
33L5140	SR9 AGP 4X Adapter with 53 Savage 4 eXtreme	x	x		
33L5000	PCI Wide Ulgra2 SCSI Adapter	x	x		x
<b>Networking</b>					
33L4636	PCI WAN 2 Multiport T1/EI/S9f4/X.21 Card				c
33L4637	PCI WAN 2 Multiport T1/EI/S94/EIA 530 Card				c
33L4638	PCI WAN 2 Multiport T1/EI/P92/V.24 Card				c
33L4639	PCI WAN 2 Multiport T1/EI/P92/V.35 Card				c
33L4640	PCI WAN 2 Multiport T1/EI/P92/V.36 Card				c
33L4641	PCI WAN 2 Multiport T1/EI/P92/X.21 Card				c
33L4642	PCI WAN 2 Multiport T1/EI/P92/EIA 530 Card				c
34L1001	10/100 Fast EtherLink XL Adapter with Remote Wake Up by 3Com	x			
34L0401	10/100 Fast EtherLink XL Adapter by 3Com	x			x
34L0601	16/4 Token-Ring PCI Adapter	x	x		x
34L0701	16/4 Token-Ring PCI Adapter with Wake on LAN®	x	x		x
08L3147	10/100 EtherJet™ CardBus Adapter			x	
08L3167	10/100 EtherJet CardBus Adapter with 56K <sup>4</sup> Modem			x	
72H4533	EtherJet PC Card 10BASE-T			x	
72H4534	EtherJet PC Card Combo 10BASE-T/10BASE2				
34L0501	High-Speed 100/16/4 Token-Ring PCI Adapter		x	x	x
41H8900	PCI Token-Ring Adapter (Diskette)		x	x	
75H9800	PCI Token-Ring Adapter (CD-ROM)		x	x	
75H9802	PCI Token-Ring Adapter (Diskette) US English		x	x	
86H1880	PCI Wake-on-LAN Token-Ring Adapter		x	x	
55H6760	Auto Wake Token-Ring ISA Adapter		x	x	
<b>Communications</b>					
09N9801	10/100 LAN CardBus PC Card with X/JACK by 3Com			x	
09N3701	10/100 LAN CardBus PC Card by 3Com			x	
34L1301	10/100 EtherJet CardBus Ready Port Adapter with 56K Modem			x	
7852400	V.34 External Data/Fax Modem	x			x
33L4618	V.90 PCI Data/Fax Modem	x	x		x
02K4280	International PC Card Modem with GSM Capability			x	



<b>Part #</b>	<b>Description</b>	<b>PC 300 desktops</b>	<b>IntelliStation workstations</b>	<b>ThinkPad notebooks</b>	<b>Netfinity servers</b>
10L7393	V.90 PC Card Modem with X/JACK Connector			x	
02K4196	56K PC Card Modem/Cellular Capable			x	
04K0052	56K PC Card Modem Kit			x	
88H0256	Express PC Card			x	
01K1216	56K/33.6Kbps ISA PnP Data/Fax Modem		x	x	
42H4322	ISA V.34 PnP Data/Fax Modem		x	x	
<b>Power</b>					
94G4073	APC Smart-UPS 700 (220/240V)				c
94G3134	APC Smart-UPS 700 (120V)				c
94G3135	APC Smart-UPS 1000 (120V)				c
94G4074	APC Smart-UPS 1000 (220/240V)				c
94G3136	APC Smart-UPS 1400 (120V)				c
94G4075	APC Smart-UPS 1400 (220/240V)				c
94G6674	APC Smart-UPS 1400RMB (120V)				c
94G6675	APC Smart-UPS 1400RMIB (220/240V)				c
94G4076	APC Smart-UPS 2200 (220/240V)				c
94G6676	APC Smart-UPS 3000RMB (120V)				c
94G6677	APC Smart-UPS 3000RMIB (220/240V)				c
10L7007	Netfinity 175W Redundant Power Supply				x
01K7951	Netfintiy 400W Hot-Swap Redundant Power Supply II				x
33L3760	Netfinity 250w Hot-Swap Redundant Power Supply				x
<b>Cables/adapters</b>					
01K1326	68-to-50 Pin Cable Converter				x
<b>Accessories</b>					
01K1260	TrackPoint® Keyboard in Stealth black		x		
00K8534	ScrollPoint® Mouse in Stealth black		x		
00K8535	ScrollPoint Mouse in Pearl white	x			
33L3174	Rapid Access II Keyboard (Black)		x		
33L3175	Rapid Access II Keyboard (White)	x			
00k8649	Rapid Access Keyboard 104 keys with hot-keys		x		
01K1259	TrackPoint IV Keyboard	x			
28L3644	84-Key Space Saver Keyboard in Stealth black				x




---

**Need more information?**
**Reseller locator**

U.S.	1 800 426-7255 ext. 4753
Canada	1 800 426-2255

---

**Online information**

## World Wide Web

U.S.	<a href="http://www.ibm.com/options">www.ibm.com/options</a>
Canada	<a href="http://www.ibm.com/pc/ca/accessories">www.ibm.com/pc/ca/accessories</a>

---

**IBM Personal Systems Group Fax System**

U.S.	1 800 IBM-3395
Customer Index	#1011
Reseller Index	#2011
ThinkPad Options Compatibility Matrix	#42007
IntelliStation Options Compatibility Matrix	#43006
PC Options Compatibility Matrix	#11245
Netfinity Options Compatibility Matrix	#43110

---

**Reminders for Year 2000 Readiness** [www.ibm.com/pc/year2000](http://www.ibm.com/pc/year2000)


---

© Copyright IBM Corporation 2000

 IBM Personal Systems Group  
 3039 Cornwallis Road  
 Research Triangle Park, NC 27709

 Produced in the United States of America  
 2-00

All Rights Reserved

- <sup>1</sup> GB equals one billion bytes when referring to hard disk drive capacity
- <sup>2</sup> MHz only measures microprocessor internal clock speed, not application performance. Many factors affect application performance.
- <sup>3</sup> Variable read rate. Actual playback speed will vary and is often less than the maximum possible.
- <sup>4</sup> Designed to be capable of receiving data at up to 56kbps with compatible phone line and server equipment and transmitting data at up to 31.2kbps. Public networks currently limit download speeds to about 53kbps. Actual speeds vary and are often less than the maximum.

IBM, EtherJet, IntelliStation, Netfinity, PC300, ScrollPoint, ServeRAID, TrackPoint, ThinkPad and Wake on LAN are trademarks or registered trademarks of International Business Machines Corporation in the United States and/or other countries.

Intel, Pentium and Xeon are trademarks of Intel Corporation.

Other company, product or service names may be trademarks or registered trademarks of others.

IBM reserves the right to change specifications or other product information without notice. This publication could include technical inaccuracies or typographical errors. References herein to IBM products and services do not imply that IBM intends to make them available in other countries. IBM PROVIDES THIS PUBLICATION AS IS WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties, therefore this disclaimer may not apply to you.

Not all Options by IBM products are made in the United States. Country of origin data is available from your IBM marketing representative or reseller.

This version is not available in printed form.