



Compatibility summary

Deskstar 180 GXP

3.5 inch Ultra ATA/100 hard disk drive



Models: IC35L030AVV207
 IC35L060AVV207
 IC35L090AVV207
 IC35L120AVV207
 IC35L180AVV207

Compatibility

The IBM Storage Integration Lab thoroughly tested these Deskstar drives for compatibility with a wide variety of systems, controller cards, and Operating Systems. Testing was to demonstrate compatibility with the following hardware and software. Other combinations of hardware and software are expected to function with this product family, but have not been tested.

Systems and System boards

Systems:			
Acer	Veriton 7200D	Gateway	E-4400 'Valhalla'
Apple	Power Mac G3 & G4 (note 8)	Gateway	E-5400 'Hawaii'
Compaq	iPAQ	Gateway	Performance 533
Compaq	DeskPro EN6266/EN6500/EN6600	Gateway	Select 400 / 475 / 800
Compaq	DeskPro EP/SB	HP	Pavillion 8765c
Compaq	DeskPro EXS	HP	Pavillion Cozumel
Compaq	EVO D300	HP	Pavillion XL753 'Mercury'
Compaq	EVO D500 SFF	HP	Pavillion XL768 'Pandora'
Compaq	EVO W4000 DDR	HP	Pavillion XE783 'Tortuga'
Compaq	Presario 5900Z	HP	Pavillion XV799 'Alcatraz'
Compaq	Presario 7000 'Quick silver'	HP	Pavillion 'Bermuda'
Compaq	Presario 7001CL 'Pipeline'	HP	Pavillion 'Sonic'
Compaq	Presario 7E13 'Elise'	HP	KAYAK XU800
Dell	Dimension 2100 / 2100W	HP	VECTRA AIRWALK
Dell	Dimension 4100 'Zuul'	HP	VECTRA VL420 MT
Dell	Dimension 8100 / 8100W	HP	VECTAR VL800
Dell	Dimension 8200	HP	VECTRA VL6/450
Dell	Optiplex GX115 'Satellite M'	IBM	Aptiva 2142-S57 / S67
Dell	Optiplex GX150 'Satellite T'	IBM	Aptiva 2162-B97
Dell	Optiplex GX1p/M+	IBM	Aptiva-E 2255-1J7
Dell	Optiplex GX240	IBM	6898-22J / 46J
Dell	Poweredge 300	IBM	e-Server 'Storm'
Dell	Precision WS220/WS340/WS420	IBM	Intellistation Z Pro 'Thor'
Dell	XPS M200 / R450 / T450 / B733R	IBM	Netvista 6339-B6J
Gateway	E-1400 500C	IBM	Netvista 6844-JA1 / 6844-SBJ
			NetVista 30Z

IBM storage products

IBM	NetVista A40p
IBM	NetVista 'Razor'
IBM	NetVista 'Unity'
IBM	NetVista 'Valentini'
IBM	PC300GL
IBM	PC6206-99Z
Micron	Millennia Max XP
Shuttle	SS40C

Supermicro	P3SCD
Supermicro	P4DC6 / P4STA
Supermicro	P6DGU / P6SBA
Tekram	P5M4-M
Tyan	S1834D-1
Tyan	S2380 Trinity K7
Tyan	Thunder 17500

System Boards:

ABIT	KA7 / KA7 - RAID
ABIT	KR7A-133
ABIT	KT7-RAID
ABIT	BE6
ABIT	TH7 (RAID)
AOPEN	AX34 Pro II
AOPEN	AX37 Plus
AOPEN	AX6B/ AX6C-L
AOPEN	AX63 Pro
AOPEN	MX3W
ASUS	A7A266/ A7M266-D/ A7V333
ASUS	CUC2/ CUSL-2/ CUW-AM
ASUS	K7-M
ASUS	MES-N / MES-VM / MEW
ASUS	P2B
ASUS	P2L97
ASUS	P3C-E
ASUS	P4B266
ASUS	P4T
ASUS	P5S-VM
ASUS	TUA266/W0A
Elitegroup	K7S5A
Elitegroup	P6S5AT
EPoX	EP-3VBA
EPoX	EP-51MVP3-M
EPoX	EP-MVP3G5
EPoX	EP-7KXA
FIC	AD11/ SD11
Gigabyte	7VTXH
Gigabyte	GA-686BX
Gigabyte	GA-7DXR
Gigabyte	GA6W XM-e
Gigabyte	GA7ZX/ GA8TX
Intel	845WN
Intel	CC820
Intel	D850GB
Intel	SE440BX
Intel	SA12
Intel	SCB2
Jetway	V266B
M-Tech	MIG-R557
Micron	Millenia XKU
Microstar	MS5169/ MS6167/ MS6321
Microstar	MS8156Pro
Microstar	KD7 Master/ K7N420 Pro
Soyo	SY-5EH5/ M
Soyo	SY-5SSM
Soyo	SY-6BA+100
Soyo	SY-61ZA

System board chipsets

Ali Aladdin M1535D/ Aladdin V/ Magik 1
AMD-750/ 751/ 760MPX
HPT-370
Intel 430FX/ 430TX/ 30VX/ 440BX/ 440GX/ 440LX
Intel 810/ 810e/ 815/ 820/ 820e/ 840/ 845/ 850/ 860
Intel 82801AA/ 82801BA/ 82801CA / 82801DA
SiS 530/ 620/ 635/ 735
VIA KT133/ KT133A/ KT266
VIA Apollo MVP3/ Pro133/ Pro133A/ Pro133B/ Pro266
VIA VT686A/ VT8233A
VIA Apollo MVP4

System board BIOS vendors

AMI
Apple
Award
Compaq
Phoenix
Surepath

(note 1)

ATA 'add-on' Controllers

Adaptec AAA-Ultra (UDMA66 - RAID)	(note 5 / 6)
3ware Escalade 7000	
AMI Series 795 revC Hyper Disk (Ultra ATA100)	
Highpoint HPT 370	
IWill Side RAID 100	(note 5, 6)
Pacific Digital DiscStaQ	(note 9)
Promise Ultra133 ATA Accelerator	(note 5, 6)
Promise UltraTrak 100	(note 3)
Promise UltraTrak 100 TX2	(note 5, 6)
Promise UltraTrak 100 TX4	(note 5, 6)
Promise UltraTrak SX4000	(note 5, 6)
Promise SuperTrak SX6000 (RAID)	(note 5, 6)
Snap Appliance 12000	(note 5, 6)
Zentra Arena EX2	(note 5, 6)

Operating systems

DOS (various)
Free BSD
LINUX REDHAT 7.1 - 7.2 - 7.3 / SuSE 8.0
MAC OS 8.6 / 9.0 / 9.0.2 / X.1
SCO UnixWare7 -- release 7.1.1
WIN 95 (OSR2)
Win 98 / SE

Windows Millennium
Win NT4 (with SP6a)
WIN 2000 (with SP3) (note 2, 3, 4)
Win XP (with SP1) (note 7)

Master / Slave operation

The Deskstar 180GXP product family has been tested to the limits of the ATA/ATAPI-6 Specification Master/Slave timings to ensure compliance and correct functionality with all other ATA/ATAPI-6 compliant devices, in both Master and Slave configurations.

Drive capacity

At the time of writing the following utility is being evaluated by IBM allow full access to large examples of the Deskstar 180GXP in systems with BIOS that will not normally support drives of this capacity :

Disk Manager 2000 / DM9.5x - Kroll Ontrack Inc

Hard Drive management Utilities

The following third party utilities have been tested with the Deskstar 180GXP product family:

Ghost 2002	(Symantic)
Partition Magic 7	(Power Quest)
SMARTDefender	(Kroll Ontrack)

Third party certification

Microsoft Combined Logo / PC98 / PC99 Compliance Certification is in progress for the Deskstar 180GXP.

Submission Id : 634255

Third Party Evaluations

At the time of drafting the following companies are evaluating the Deskstar 180GXP product family for compatibility with their products:

Highpoint Technology
Intel
Kroll Ontrack
Pacific Digital

Specific notes

1) At the time of testing older releases of Award BIOS do not support hard drives with capacity greater than 33.8GB. A common symptom is a hang condition during System POST. To install a Deskstar 180GXP drive that

is >30GB will require use of a third party utility (see Drive Capacity section above).

2) Windows 2000 setup does not allow a FAT32 file system larger than 32GB. So with the Deskstar 180GXP family multiple partitions will be required. Alternatively NTFS file system can be used.

3) Microsoft hot fix Q260233 is required for installations involving Windows 2000 and ULTRA100 ATA . See the Microsoft Website

4) Windows 2000 provides ACPI support. In most situations users can benefit from this feature. However in some systems it may be found necessary to disable ACPI to avoid poor performance, or worst case data corruption due to incorrect shutdown.

For details of how to disable ACPI see Deskstar 180GXP Hints & Tips document.

5) In situations where multiple Deskstar 180GXP drives are being installed within a system enclosure:- To maximise performance, care should be taken to ensure that adequate mechanical isolation is provided between the drives, to avoid operational vibration from one drive being transmitted to other drives within the system.

For more details of specifics associated with RAID operation of ATA drives, see Deskstar 180GXP Hints & Tips document.

6) Due to the large capacity of some Deskstar 180GXP drives, latest BIOS will be required on this controller.

7) Service Pack 1 is required to access full capacity of 180GB models of the Deskstar 180GXP family.

8) We are unaware of any drivers or upgrades available for large drive support on older Apple systems. Users will need to contact their Apple Support Center to see if an upgrade is available.

9) Supports IBM's performance enhancing "Tag 'n Seek" Technology.



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OEM Specifications for Deskstar 180GXP 3.5-Inch Hard Disk Drive with ATA Interface, Rev. 4.0

This product summary is not a substitute for the full production specification, which should be used when detailed information is required.

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