

Compatibility Summary

Deskstar 7K250

Serial ATA Hard disk drive

HDS722580VLSA80
HDS722512VLSA80
HDS722516VLSA80
HDS722525VLSA80



Compatibility

The Hitachi Storage Integration Lab tested this family of Deskstar drives for compatibility with a wide variety of systems, Host Bus Adapter 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 may not have been evaluated.

System boards

ABIT	IS7
ABIT	IT7- Max II
AOPEN	AX4B-533
ASUS	P4C800-E
ASUS	P4S8X
Gigabyte	8INXP
Gigabyte	8PENXP
QDI	P4I865PEA-6AF

System board chipsets

Intel ICH5
 Promise SATA 150
 Sil 3112A
 VIA VT8170C / VT8237

System board BIOS vendors

AMI
 Award
 Phoenix

ATA 'add-on' Controllers / RAID Controllers

Adaptec 2410SA
 Addonics Technologies ADCBSA2 (CardBus)
 3Ware Escalade 8500-8
 3Ware Escalade 8506-8
 Highpoint RocketRAID 1520
 Highpoint RocketRAID 1542
 Intel RAID SRCS14L
 LSI Logic MegaRAID SATA 150-2 (note 1)
 LSI Logic MegaRAID SATA 150-6 (note 1)
 Promise FastTrak S150 SX4
 Promise FastTrak S150 TX2
 Promise FatsTrak S150 TX4
 ServerRAID
 SIIG CN2502 / CN2504
 Silicon Image 3112 / 3112A
 Silicon Image 3512

Operating systems

DOS (various)
 LINUX REDHAT 8 (note 5)
 Windows Millennium
 Windows 2000 (with SP3)
 Windows XP (with SP1) (note 4)

Hard Drive management Utilities

The following third party utilities have been tested with the Deskstar 7K250 product family:

Norton Ghost 2003	(Symantic)	
Partition Magic 7	(Power Quest)	
SMARTDefender	(Kroll Ontrack)	(note 2)

Third party certification

Microsoft Windows Logo Program Certification was completed for the Deskstar 7K250.

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Specific notes

- 1) AT the time of testing these controllers do not support 48bit addressing, so compatibility is limited to 7K250 capacity points <137GB.
- 2) At the time of testing SMARTDefender does not provide support for RAID controllers. Many motherboards incorporate RAID SATA controller chips and are therefore not compatible with this software utility.
- 3) In situations where multiple Deskstar 7K250 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 7K250 Hints & Tips document.
- 4) Service Pack 1 is required to access full capacity of 164GB & 250GB models of the Deskstar 7K250 family when using Microsoft XP. In Windows 2000, Service Pack 3 is required.
- 5) Early versions of Linux do not provide 48 bit addressing support, so will not work with larger capacities of Deskstar 7K250. see Deskstar 7K250 Hints & Tips document for more detail.

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