Compatibility Summary

HGST 6Gb/s SATA hard drives

Deskstar 7K4000
HDS724040ALE640
HDS724030ALE640
HDS724040ALE641
HDS724030ALE641

Deskstar 5K4000
HDS5C4040ALE630
HDS5C4030ALE630
HDS5C4040ALE631
HDS5C4030ALE631

The Deskstar 7K4000 & Deskstar 5K4000 hard drives feature Advanced Format technology. Advanced Format increases the physical sector size on hard drives from 512 bytes to 4096 (4K) bytes, which increases drive capacities and improves error correction capabilities. Please consult the HGST Advanced Format Drives page for more information on using these hard drives.

Compatibility Testing

The HGST Integration Lab tested this family of Deskstar™ drives for compatibility with a wide variety of systems and operating systems.

Testing was performed 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 evaluated. This compatibility testing confirms simply that the hard drive was recognized, partitioned and then data was written to and read from it. Drive capacity and interface speed are not verified during compatibility testing.

Many factors must be considered in order to take advantage of high-capacity drives (≥2.2TB). Some configurations offer a higher likelihood of success. If you want to use a high-capacity drive, please visit our High Capacity Drives web page at http://www.hgst.com/support/high-capacity-hard-drives .

HGST recommends you back up all data before installing your new hard drive.

Systems and Motherboards

These Deskstar products were found to work with the following systems. *(Please note: Use of an EFI BIOS is required in order to use a 3TB hard drive as a boot drive)*

ACER Aspire: M5100 & X1200
ACER Veriton: M261, M460, & M661
Apple iMac 7,1 (24 inch)
Apple iMac 9
Apple iMac 10
Apple iMac 11
Apple iMac 12
ASUS M4A89GTD PRO/USB3
ASUS Maximus IV Extreme
ASUS P5N7A VM
ASUS P67 B3
ASUS P7Q57-M DO
ASUS Rampage III Gene
ASUS Rampage III Gene (X58)
BIOSTAR TForce TA720GX A2+6.x
BIOSTAR TForce TA790GX X-fire A2+5.x
BIOSTAR TForce TF720 A2 + 6.x
BIOSTAR TForce TP45HP P45 X-fire
Dell Inspiron 531s
Dell XPS 210
ECS NF650i SLIT-A
Gigbyte 890FXA – UD5
Gateway DX4200-UB001A
Gateway DX4710-05
Gateway FX6800-01e
Gateway FX6840-21
Gigbyte GA-H55M-USB3
Gigbyte GA-H67A-UD3H-B3
Intel: DP77KG, **DP55WB** & DQ45EK
Intel TG Dreamsys
MSI 890 GXM-G65
MSI P55-GD65
MSI P7N Diamond SLI 780i
MSI P7N Platinum SLI 750i
MSI Z68MA-ED55
SiS 968
Sony VGC-JS110J
Sony VGC-LT31N
ZOTAC GeForce 9300

Host Bus Adapters (HBAs)

These Deskstar products were found to be compatible with the following HBAs. (*Please verify that you are using the latest firmware and device driver from the HBA manufacturer.*)

3Ware 7xxx Series PATA / SATA RAID
3Ware 8xxx Series PATA / SATA RAID
HighPoint RocketRAID 1740

Host Controller Chipsets

These Deskstar products were found to be compatible with the following host controller chipsets, some of which may not be included in the above system list. (*Note: as of November 2010, for items marked with *, the chipset vendor's specific SATA driver does not support capacities greater than 2.2TB so you must use the latest Microsoft drivers to gain access to 3TB capacities. Items marked with # are SATA 6Gb/s capable.*)

AMD A75 (Hudson D3)
AMD A85X (Hudson D4)
AMD RS780 family
AMD SB800 family #
ATI: SB600, SB700, & SB800
Intel 4 Series *
Intel 5 Series *
Intel 6 Series #
Intel ICH7 family *
Intel ICH8 family *
Intel ICH9 family *
Intel ICH10 family *
Initio INIC 1606L
Initio INIC 1610L
Initio INIC 1611L
JMicron JMB362
JMicron JMB363
JMicron JM20339

Host Controller Chipsets (cont'd)

Marvell 88SE6145
NVIDIA Geforce 7100 / nforce 630i *
NVIDIA Geforce 8200 *
NVIDIA MCP51 *
NVIDIA MCP55 *
NVIDIA MCP61 *
NVIDIA MCP73 *
NVIDIA MCP78s *
NVIDIA MCP79 *
SunPlus SPIF215
SunPlus SPIF225 – QFP48
VIA VT823x A/S

USB-Attached Devices

These Deskstar products were found to be both interface and form-factor compatible with the following external USB-attached storage units.

APPLE Time Capsule
GTech G-Drive
GTech G-Drive Q
GTech G-RAID
GTech G-Safe
GTech G-Speed-eS
GTech G-Speed-Q
Hitachi HDD External Reno
Hitachi Life Studio Desk
Hitachi XL Desk
HGST Touro Desk
HGST Touro Desk Pro

Operating Systems

These Deskstar products were found to be compatible with the following operating systems. (*Note: For items marked with *, the accessible capacity of a 3TB drive may be limted to 2TB depending on how your system is configured.*)

FreeDOS 1.0 32bit
Mac OS X *
Slax Linux 2.6.27 32bit *
Windows 7 SP1 32bit*
Windows 7 SP1 64bit*
Windows 7 RTM 32bit *
Windows 7 RTM 64bit *
Windows Vista SP2 32bit*
Windows Vista SP2 64bit*