PRODUCT Guide

G-Technology™
by Hitachi

G-Technology™
by Hitachi

Performance. Style. Reliability.

G-Technology manufactures premium, high-quality external storage devices designed for professional content creators and Mac enthusiasts. Our products meet and exceed the demands and rigors of professional audio/video editing and image production applications.

To the right are the "Top Ten Reasons to Own G-Technology." We encourage you to use this list when choosing a storage product. We are confident you will discover why G-Technology by Hitachi is recognized as the premium brand in the content creation storage industry.

- **Designed for maximum performance**
- **Integrated hard drive cooling technology**
- **Recyclable aluminum enclosures**
- **Mac inspired product styling and design**
- **Built for maximum reliability**
- **Features high-performance Hitachi hard disk drives**
- **Proven brand with deep roots supporting content creation professionals**
- **Storage solutions specifically designed for professional content creation applications**
- **Comprehensive product offerings – storage solutions that support HDV to 2K**
- **Out-of-box plug and play on Mac OS**

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USB 2.0	FireWire 400*	FireWire 800	eSATA	mini-SAS	Fibre Channel (4Gbit)	RAID Enabled	Enterprise-class** (Hard Disk Drive)		
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*via included FireWire 800 to FireWire 400 cable

**used in extreme "enterprise" environments such as multi-user computer systems, server applications, and tiered storage arrays

G DRIVE™ slim

Ultra-Slim USB Drive for MacBook Air®

G-DRIVE slim is the perfect hard drive for someone on the go. At less than .4" thick, the G-DRIVE slim easily slips into your pocket or bag and looks cool with any Mac product! Travel around with 320GB of Hitachi disk drive storage space - ideal for important documents, MP3s, and digital photo files. G-DRIVE slim is formatted for your Mac and Time Machine Ready, making it an easy plug-and-play storage device. Built for those on the move, G-DRIVE slim is made with a light-weight aluminum enclosure. Portability has never looked so good!

NEW!

ULTRA SLIM

Less than 10 mm thick!

Light-weight compact aluminum enclosure

High-speed interface with USB 2.0 connectivity

3 YEAR WARRANTY

MAC   PC

USB

SPECIFICATIONS:
Disk Drive: Hitachi Travelstar™ 5400 RPM drive with 8MB cache
Interface: (1) USB 2.0
Size: (LxWxH) 5" x 3.26" x .39"
128mm x 82mm x 9.9mm
Weight: .32 lbs / .144 kg

SYSTEM REQUIREMENTS:
Mac® OS X 10.5 +
(G-DRIVE slim is formatted in HFS+)
Windows® 7/Vista/XP
(Via reformat of G-DRIVE slim)

G|DRIVE™ mobile
The Perfect Match for Apple MacBook or MacBook Pro!

Weighing in at less than 9 ounces, G-DRIVE mobile is the ultra-portable way to travel with your important documents, MP3s, digital video and digital photo files. There are two G-DRIVE mobile models available. The G-DRIVE mobile USB is designed specifically for the Macbook, with a matching white finish and USB connectivity. The G-DRIVE mobile is perfect for the Macbook Pro with its dual FW800 ports and black or silver finish. G-DRIVE mobile hard drives are bus-powered, eliminating the need to carry an external AC power supply. Built to last, G-DRIVE mobile hard drives utilize a solid all-aluminum base enclosure – no flimsy plastic housings here!

hard drive by HITACHI

USB 2.0

USB + FW

*via included FireWire 800 to FireWire 400 cable

High-speed interface with USB 2.0 connectivity

High-speed interface with FireWire 800, FireWire 400* and USB 2.0 connectivity

All aluminum base provides heat dissipation-eliminating the need for a fan

3 THREE YEAR WARRANTY

MAC   PC
FW   USB

SPECIFICATIONS:
Disk Drive: Hitachi Travelstar™ 5400 RPM drive with 8MB cache
Interface: *G-DRIVE mobile USB* (1) USB 2.0
G-DRIVE mobile (2) FireWire 800, (1) USB 2.0
Size: (LxWxH) 4.9375" x 3.1875" x .875"
125mm x 81mm x 22mm
Weight: .55 lbs / .25 kg

SYSTEM REQUIREMENTS:
Mac® OS X 10.5 +
(Formatted in HFS+)
Windows® 7/Vista/XP
(Via reformat)

G|DRIVE™ mini

High-Speed Portable Drives for Content Creators on the Go!

G-DRIVE mini is the perfect storage solution for content creators on the go who demand the highest performance possible from their mobile storage device. Featuring 7200 RPM hard disk drives exclusively, G-DRIVE mini is the ultra-portable, high-performance solution designed specifically with content creators in mind and is perfect for traveling with all of your important documents, music, digital video, and digital photo files. G-DRIVE mini's rugged all-aluminum enclosure protects your valuable data from the bumps and bruises encountered on the road. G-DRIVE mini features high-speed FireWire 800, FireWire 400* and USB 2.0 for true universal connectivity. The system is bus-powered, eliminating the need to carry a bulky external AC adapter. A built-in heat sink silently dissipates heat to ensure maximum reliability and data integrity.
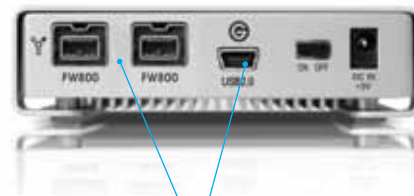
High-speed interface with FireWire 800, FireWire 400* and USB 2.0 connectivity

G-DRIVE mini incorporates a unique "fan-less" cooling system designed to silently dissipate heat for superior reliability and data integrity

To keep G-DRIVE mini safe when on the road, a protective carrying case is included

High Speed
7200 RPM

*via included FireWire 800 to FireWire 400 cable

MAC   PC
FW   USB

SPECIFICATIONS:
Disk Drive: Hitachi Travelstar 7200 RPM drive with up to 16MB cache
Interface: (2) FireWire 800 (FireWire 400 via included cable), (1) USB 2.0
Size: (LxWxH) 4.9375" x 3.1875" x.875" 125 x 81 x 22mm
Weight: .55 lbs / .25 kg

SYSTEM REQUIREMENTS:
Mac OS X 10.5 +
(G-DRIVE mini is formatted in HFS+)
Windows 7/Vista/XP
(Via reformat of G-DRIVE mini)

G|DRIVE™
Professional Strength External Hard Drive

G-DRIVE storage solutions offer the ultimate in flexibility by providing high-speed 3Gbit eSATA, FireWire 800, FireWire 400* and USB 2.0 connectivity all in a single desktop unit.

G-DRIVE is the perfect high-performance solution for storage intensive applications including audio/video editing, digital photography, music libraries, and high-speed data backup. The system features a fan-less cooling system and the latest technology Hitachi 7200 RPM 3Gbit SATA drive with up to 32 MB of cache.   G-DRIVE supports professional audio/video music production tools including Final Cut Studio®, Logic Studio® and Pro Tools®.

Time Machine Ready!

*via included FireWire 800 to FireWire 400 cable

High Performance for Demanding Applications

USB 2.0	up to 33MB/sec
FireWire 400	up to 38MB/sec
FireWire 800	up to 75MB/sec
eSATA	up to 115MB/sec

High-speed professional interface with 3Gbit eSATA, FireWire 800, FireWire 400* and USB 2.0 connectivity

G-DRIVE incorporates a unique "fan-less" cooling system designed to silently dissipate heat for superior reliability and data integrity

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THREE YEAR WARRANTY **3**

MAC   PC
eSATA   FW   USB

SPECIFICATIONS:
Disk Drive: Hitachi Deskstar™ 7200 RPM drive with up to 64MB cache
Interface: (1) eSATA, (2) FireWire 800 (FireWire 400 via included cable), (1) USB 2.0
Size: (LxWxH) 9.25" x 5.125" x 1.82" 235 x 130 x 46mm
Weight: 2.6 lbs / 1.18 kg

SYSTEM REQUIREMENTS:
Mac OS X 10.5 +
(G-DRIVE is formatted in HFS+)
Windows 7/Vista
(Via reformat of G-DRIVE)

G|RAID™ mini

Professional Portable Dual-Drive Storage System

G-RAID mini is the perfect companion for video and still shooters or editors working on location. Out of the box, G-RAID mini is setup in RAID 0 (performance mode), with its two Hitachi Travelstar 7200rpm drives working together for the performance you need to edit the most popular compressed HD codecs. Using the included software utility, the G-RAID mini can be configured in RAID 1 (protected mode) giving you the peace of mind that your digital video or images are protected while on the road. G-RAID mini is FireWire bus-powered – even when using eSATA for data transfer at speeds of over 120MB/sec!

Software Selectable
RAID 0 Performance **RAID 1** Protected

hard drive by HITACHI
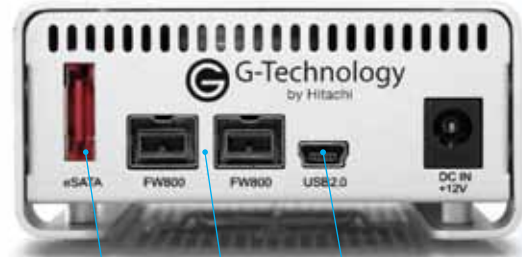
3Gbit eSATA, FireWire 800, FireWire 400* and USB 2.0 for universal connectivity to Mac's and PC's

G-RAID mini is equipped with a small and quiet cooling fan to ensure reliable operation and data integrity

Tapeless Workflow? Protect your content with G-RAID mini

Transfer content from solid state media to the G-RAID mini for the ultimate data protection in the field

*via included FireWire 800 to FireWire 400 cable

3 YEAR WARRANTY

MAC   PC
eSATA   FW   USB

SPECIFICATIONS:
Disk Drives: (2) Hitachi Travelstar 7200 RPM drives each with up to 8MB cache
Controller: Hardware RAID 0/1 - Oxford 936
Interface: (1) eSATA, (2) FireWire 800
(FireWire 400 via included cable) and (1) USB 2.0
Size: (LxWxH) 5.9" x 3.25" x 1.5" /149 x 82.6 x 38 mm
Weight: 1.1 lbs/.5 kg

SYSTEM REQUIREMENTS:
Mac OS X 10.5 +
(G-RAID mini is formatted in HFS+)
Windows 7/Vista/XP
(Via reformat of G-RAID mini)

G|RAID™

Professional High-Performance Dual-Drive Storage System

G-RAID is designed specifically for professional content creation applications like Final Cut Pro® and features 3 Gbit eSATA, FireWire 800, FireWire 400*, and USB 2.0 for universal connectivity and industry leading performance. It uses the latest generation Oxford 936 chipset and supports simultaneous playback of multiple layers of HDV, DVCPRO HD and ProRes 422 HQ with the leading video editing applications including Final Cut Pro. G-RAID is capable of delivering over 200 MB/second transfer rate when connected to any Mac or PC via eSATA. The thermo-regulated "smart" fan keeps G-RAID cool and the editing suite quiet.

*via included FireWire 800 to FireWire 400 cable

Minimum number of real-time video streams*

*when attached via eSATA.

G-RAID is specifically designed to support professional multi-stream video editing applications like Apple Final Cut Pro and Adobe Premiere Pro.

G-RAID is equipped with a thermo-regulated, "smart" fan to ensure quiet and reliable operation and data integrity

3Gbit eSATA, FireWire 800, FireWire 400* and USB 2.0 ports

Soft touch power switch

MAC   PC
eSATA   FW   USB

SPECIFICATIONS:
Disk Drives: (2) Hitachi Deskstar up to 7200 RPM drives each with up to 64MB cache
Controller: Hardware RAID 0 - Oxford 936
Interface: (1) eSATA, (2) FireWire 800 (FireWire 400 via included cable), (1) USB 2.0
Size: (LxWxH) 9.25" x 5.125" x 2.875" / 235 x 130 x 73mm
Weight: 3.85 lbs/1.75 kg

SYSTEM REQUIREMENTS:
Mac OS X 10.5 +
(G-RAID is formatted in HFS+)
Windows 7/Vista
(Via reformat of G-RAID)

G|SAFE™

High-Performance RAID 1 Protected Storage System

G-SAFE is the ideal storage solution to safeguard your important digital photos, audio and video libraries and documents. G-SAFE offers the ultimate in peace of mind by simultaneously writing to two independent hard disk drives providing instant back up of files as you save them. And, unlike single drive backup systems, if a drive failure occurs your data is safe and accessible. G-SAFE features two removable drive modules for easy replacement of disk drives and off-site backup of data. High-speed 3Gbit eSATA, FireWire 800 and USB 2.0 interfaces provide universal connectivity and a sophisticated hardware RAID 1 (mirroring) engine ensures 24x7 data protection. A front panel LCD is used to control and monitor the health of the system.

Additional G-SAFE drive modules are available and come with a protective leather carrying case

During operation G-SAFE writes data to (2) independent disk drives simultaneously.

Primary Drive

Secondary Drive
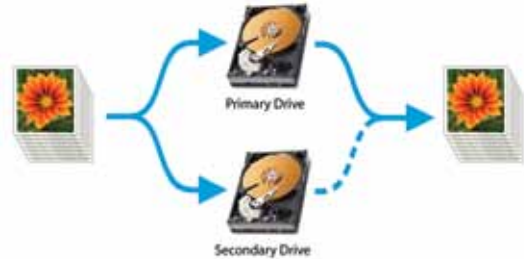
If a drive failure occurs, your data is safe, G-SAFE will alert you of the failure and automatically begin reading data from the good drive. Simply replace the bad drive and G-SAFE will copy your data from the good drive to the new drive and return to protected mode.

Quiet cooling fan to ensure reliable operation and data integrity

Internal AC power supply reduces cabling clutter

3Gbit eSATA, FireWire 800 and USB 2.0 ports for universal connectivity to Mac's or PC's

THREE YEAR WARRANTY 3

MAC PC

eSATA FW USB

SPECIFICATIONS:
Disk Drives: (2) Hot-swappable Hitachi Deskstar 7200 RPM drives each with up to 64MB cache
Controller: Hardware RAID 1 (Oxford 934)
Interface: (1) eSATA, (2) FireWire 800, (1) USB 2.0
Size: (LxWxH) 4" x 4.9" x 7.6" / 102 x 127 x 193mm
Weight: 10 lbs/4.5 kg

SYSTEM REQUIREMENTS:
Mac OS X 10.5 +
(G-SAFE is formatted in HFS+)
Windows 7/Vista
(Via reformat of G-SAFE)

G|SPEED™ Q

Highly-Versatile Quad Interface 4-bay RAID Storage for Universal Content Storage

BUILT WITH ENTERPRISE CLASS HARD DRIVES

G-SPEED Q provides content creators a high-performance, quad-interface, 4-bay RAID solution for every type of digital asset. Equipped with 3Gbit eSATA, FireWire 800, FireWire 400* and USB 2.0, the quiet and stylish G-SPEED Q features an internal RAID controller, solid, all-aluminum enclosure with (4) hot-swappable Enterprise-class hard disk drive modules and quiet cooling fan technology. The internal RAID controller features the Oxford 936QSE, supporting RAID 0 for maximum performance or RAID 5 for data protection. RAID configuration is accomplished through a simple Mac or PC application. G-SPEED Q's small footprint and portability make it perfect for laptop applications where high capacity and RAID protection is important.

hard drive by HITACHI

(4) Hot swappable drive modules

Quiet cooling fan to ensure quiet, reliable operation and data integrity

Space-saving all aluminum enclosure

Internal 200W AC power supply with ultra-quiet "smart" fan

High-speed professional interface with 3Gbit eSATA, FireWire 800, FireWire 400* and USB 2.0 connectivity

*via included FireWire 800 to FireWire 400 cable

THREE YEAR WARRANTY **3**

MAC   PC

eSATA   FW   USB

SPECIFICATIONS:
Disk Drives: (4) Hot-swappable Hitachi Ultrastar™ 7200 RPM drives each withup to 32MB cache
Interface: (1) eSATA, (2) FireWire 800, (1) USB 2.0
Size: (LxWxH) 8.25" x 4.9" x 6.5" / 210 x 124 x 166mm
Weight: 12.5 lbs / 5.7 kg

SYSTEM REQUIREMENTS:
Mac OS X 10.5 +
(G-SPEED Q is formatted in HFS+)
Windows 7/Vista
(Via reformat of G-SPEED Q)

G|SPEED™ eS

High Performance eSATA RAID Storage for SD/HD Production

G-SPEED eS RAID solutions provide professional content creators with outstanding performance, high storage capacity and fail-safe operation at an unprecedented low cost per gigabyte.
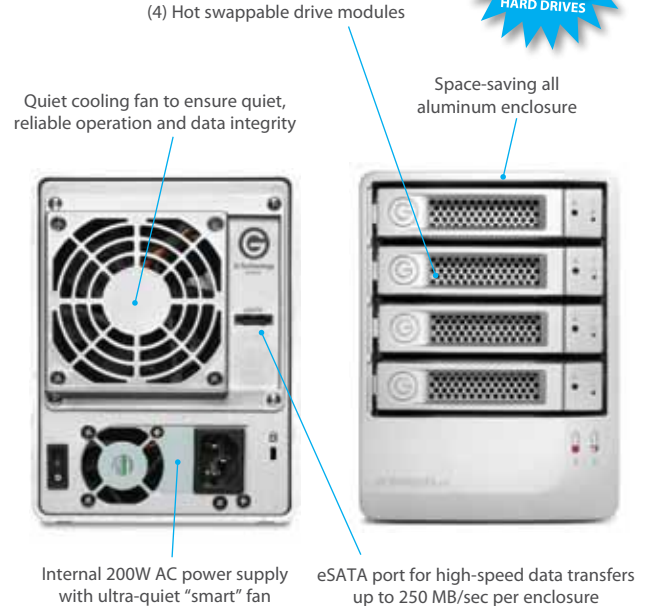
The compact and whisper quiet G-SPEED eS sports a 3Gbit eSATA interface and features four hot-swappable Hitachi Ultrastar 7200 RPM SATA drives. When used with the G-Tech PCIe 4x RAID controller (sold separately), a single G-SPEED eS supports up to (4) simultaneous streams of ProRes422 HQ or (1) stream of uncompressed 1080/60i. As many as four G-SPEED eS enclosures can be attached to a single workstation providing up to 32TB of high-performance RAID protected storage. The G-Tech PCIe 4x RAID controller supports RAID 0, 1, 5 and JBOD, and is configured and monitored via a full featured web GUI.

G-SPEED eS is configured and monitored through a web based GUI

BUILT WITH ENTERPRISE CLASS HARD DRIVES

(4) Hot swappable drive modules

Quiet cooling fan to ensure quiet, reliable operation and data integrity

Space-saving all aluminum enclosure

Internal 200W AC power supply with ultra-quiet "smart" fan

eSATA port for high-speed data transfers up to 250 MB/sec per enclosure

*RAID controller (sold separately) is required

The 4-port eSATA PCIe x4 RAID controller supports RAID 0,1,5 and JBOD configurations. Up to (4) G-SPEED eS enclosures can be attached to each workstation.

MAC   PC
eSATA

SPECIFICATIONS:
Disk Drives: (4) Hot-swappable Hitachi Ultrastar 7200 RPM drives each with up to 32MB cache
Interface: (1) eSATA
Controller: 4 port eSATA PCIe supporting RAID 0, 1, 5 JBOD
Size: (LxWxH) 8.25" x 4.9" x 6.5" / 210 x 124 x 166mm
Weight: 12.5 lbs / 5.7 kg

SYSTEM REQUIREMENTS:
G-Tech RAID Controller: Mac Pro (intel processor) or PC with available PCIe x4 slot
Mac OS X 10.5 +
Windows 7/Vista

G|SPEED™ eS PRO

High-Performance, Fail-Safe RAID Solutions for HD/2K Production

G-SPEED eS PRO provides professional content creators better than Fibre-Channel performance for demanding post production applications at a fraction of the cost. The compact and whisper quiet G-SPEED eS PRO features four hot-swappable Hitachi Ultrastar 7200 RPM SATA drives and professional 12Gb mini-SAS connectivity. When used with the high-performance G-Tech PCIe 8x RAID controller (sold separately), a single G-SPEED eS PRO enclosure supports real-time playback of 10-bit uncompressed 1080/60i. Two G-SPEED eS Pro units in protected mode (RAID 5) support two simultaneous streams of uncompressed 10-bit HD or a single 2K DPX sequence. The G-SPEED eS Pro RAID controller supports RAID levels 0,1,3,5 and RAID 6 and is configured and monitored via a full featured web GUI.

G-SPEED eS Pro is configured and monitored through a web based GUI

(4) Hot swappable drive modules

Removable "smart" cooling fan to ensure quiet, reliable operation and data integrity

Space-saving all aluminum enclosure

Internal 200W AC power supply with ultra-quiet "smart" fan

mini-SAS port for high-speed data transfers
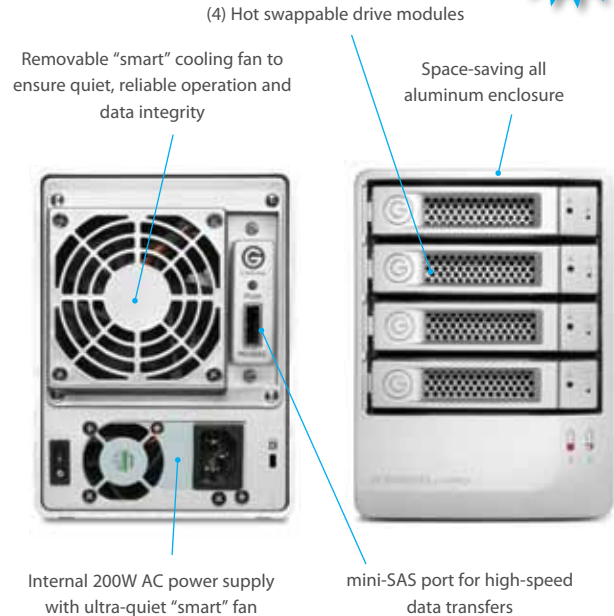
The G-Technology PCIe x8 RAID controller supports RAID levels 0, 1, 3, 5 and 6. Two G-SPEED eS Pro enclosures can be attached to the RAID controller for up to 16TB of storage capacity and performance over 800MB/sec

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3 THREE YEAR WARRANTY

MAC | PC | mini-SAS

SD | HD | 2K

SPECIFICATIONS:
Disk Drives: (4) Hot-swappable Hitachi Ultrastar 7200 RPM drives each with up to 32MB cache
Interface: (1) 12Gbit mini-SAS
RAID Controller: 2-port PCIe x8 IOP with 512MB RAM and support for RAID levels 0,1,3,5 & 6
Size: (LxWxH) 8.25" x 4.9" x 6.5" / 210 x 124 x 166mm
Weight: 12.5 lbs / 5.7 kg

SYSTEM REQUIREMENTS:
G-Tech RAID Controller: Mac Pro (Intel processor) or PC with available PCIe x8 slot,
Mac OS X 10.5 +
Windows 7/Vista

G|SPEED™ eS PRO XL

High-Performance, Expandable Fail-Safe RAID Solutions for Uncompressed HD and 2K Production

G-SPEED eS PRO XL is a rack-mount expandable storage solution designed for content creation professionals working with multi-stream uncompressed HD and 2K workflows, and digital intermediate (DI) film applications. G-SPEED eS PRO XL easily expands by simply daisy-chaining 12 or 16-bay enclosures using locking mini-SAS cables. A total of (8) enclosures can be connected to the system for up to 256TB of incredibly fast online storage! It features the same IOP RAID controller used in the G-SPEED eS PRO system with (2) 12Gbit mini-SAS ports and performance over 800MB/sec. A single 12-bay G-SPEED eS PRO XL can support real-time multi-stream 10-bit 1080/60i and 2K DPX video files. Adding high-performance storage has never been so simple - or cost effective.

The G-Technology PCIe x8 IOP RAID controller supports RAID levels 0,1,3,5,6 and features (2) 12Gbit mini-SAS ports

The G-SPEED eS PRO XL is easily expandable up to 256TB by simply daisy-chaining units using locking mini-SAS cables

Adding high-performance storage has never been so simple - or cost effective

MAC | PC | mini-SAS

SD HD 2K

SPECIFICATIONS:
Disk Drives: (12 or 16) Hot-swappable Hitachi Deskstar 7200 RPM drives each with up to 32MB cache
Size: (LxWxH)19.5" x 19" x 5.25" / 495 x 483 x 133mm
Weight: 73 lbs/33 kg
RAID Controller: 2-port PCIe x8 IOP with 512MB RAM and support for RAID levels 0,1,3,5 & 6

SYSTEM REQUIREMENTS:
G-Tech RAID Controller: Mac Pro (Intel processor) or PC with available PCIe x8 slot, Mac OS X 10.5 + Windows 7/Vista

G|SPEED™ FC XL

High-performance 4Gbit Fibre SAN-ready Storage Solutions for SD and HD Production

G-SPEED FC XL with 4Gbit fibre dual-channel means serious business for professional multi-stream, multi-user SD and uncompressed HD workflows, including real-time playback of 2K DPX sequences. Available in both 12-bay 2U or 16-bay 3U rackmount enclosures. G-SPEED FC XL is "SAN-ready," compatible with SAN software including Xsan, metaSAN and StorNext and fully supports the latest and greatest professional video editing equipment from AJA, Avid and Blackmagic Design. The built-in web-based GUI makes setup easy and monitors system status including power supply voltage, fan RPM and both RAID controller and hard drive temperatures. In the unlikely event of a problem, G-SPEED FC XL can send an email message to up to four recipients.

G-SPEED can be configured and monitored via the system's front panel LCD

G-SPEED features hot-swappable Hitachi Deskstar 7200 RPM 3Gbit SATA disk drive modules each with 32MB of cache

SAN READY! G-SPEED XL12/16 feature dual channel 4Gbit connectivity and utilize SFP to LC optical transceivers. The system connects to your workstation or network using thin optical cabling

G-SPEED Web GUI

Ethernet Port

Dual, redundant 460W power supplies

MAC **PC** **Fibre Channel**

SD **HD** **2K**

SPECIFICATIONS (G-SPEED FC XL12/16):
Disk Drives: (12 or 16) Hot-swappable, Hitachi Deskstar 7200 RPM drives with up to 32MB cache
Controller: Hardware RAID 0, 1, 3, 5, 6 and JBOD
Interface: Dual 4Gbit Fibre Channel, SFP to LC
Size: (LxWxH) 17.5" x 19.5" x 5.25"/ 446x495x133mm
Weight: 73 lbs/33 kg

SYSTEM REQUIREMENTS:
Fibre Channel equipped computer or switch, Ethernet port and Web Browser for GUI connection

G-Technology™
by Hitachi

Performance. Style. Reliability.

tel 310.449.4599

www.g-technology.com