LACIE

4big Quadra

DESIGN BY NEIL POULTON

Videomaker Best Products 2010

Videomaker's "Best Hard Drive" of 2010

SPEED UP TO **260** MB/s

3 YEAR WARRANTY

Al 26.98154 Aluminium

BACKUP

Professional 4-Bay RAID

eSATA 3Gb/s | FireWire 800 & 400 | USB 2.0

Terabytes of Power

The LaCie 4big Quadra is the most complete 4-bay RAID solution for professionals who demand exceptional performance from a storage device. Offering up to 12TB of capacity and amazing bandwidth speeds through eSATA 3Gb/s and FireWire 800, it also features FireWire 400 and USB 2.0 ports for maximum compatibility with any Mac® or PC. Featuring seven RAID modes to customize performance and data protect ion levels, the 4big Quadra fits most speed-demanding applications and backup needs for today's workstations and small servers.

RAID FLEXIBILITY

RAID NUMBER	RAID MODE	CAPACITY	PROTECTION	SPEED
0	RAID 0	100%	★☆☆☆☆	★★★★★
1	RAID 10	50%	★★★★☆	★★★☆☆
2	Concatenation	100%	★☆☆☆☆	★★☆☆☆
3	RAID 3	75%	★★★★☆	★★★★☆
4	RAID 3+Spare	50%	★★★★★	★★★☆☆
5	RAID 5	75%	★★★★☆	★★★★☆
6	RAID 5+Spare	50%	★★★★★	★★★☆☆

RAID Performance

Taking advantage of a native RAID controller that preserves computer resources, the 4big Quadra offers superior support for the most demanding applications. Pre-configured in RAID 0 for full speed and capacity, it can reach up to 260MB/s through eSATA 3Gb/s. Alternative RAID modes—such as RAID 5—can be configured in seconds on startup to manage speed, security, and available capacity.

RAID Protection

Thanks to the secure RAID modes, including RAID 5, RAID 3 and RAID 10, the 4big Quadra enables you to keep data access even if one disk fails. The hot-swappable disk trays even allow maintenance without affecting your workflow. "Spare" modes allow a second level of protection; a sort of "automatic maintenance" that will immediately start rebuilding the RAID protection in case of a disk failure. Extra spare disks are also available as an option for immediate replacement.

PERFORMANCE COMPARISON

The best performance for audio/video and photo professionals.

Read Burst Transfer Rates*

Interface	MB/s
USB 2.0	~35
FireWire 400	~40
FireWire 800	~90
eSATA 3Gb/s	~260

MB/s: 0 25 50 75 100 125 150 175 200 225 250 275
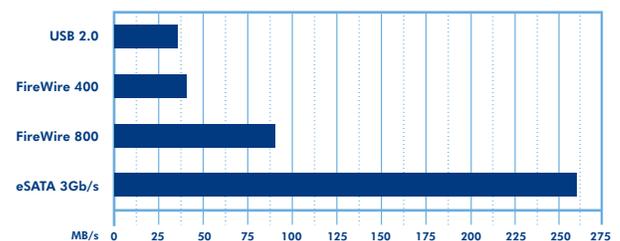
- Speed and security for audio, video, and photo professionals
- Huge capacity for backing up all of your data
- Quadruple interface for universal connectivity
- Four hot-swappable, lockable disks for non-stop data access**
- Ultra-quiet cooling system for greater reliability

Audio/Video Streaming

With the capacity to store hours of A/V streams, the 4big Quadra has been developed to suit the demands of digital content creators, such as editors who work with Apple® Final Cut Pro®. It comes with eSATA and FireWire 800, so you can get the highest bandwidth. FireWire or iLink DV cameras can be chained via FireWire, helping you make the most of your equipment if your number of open ports is limited. When used in RAID 0 or RAID 5, the 4big Quadra supports multiple audio, DV, SD, and HD streams, and up to one stream of uncompressed 10-bit NTSC video in playback. Greater performance can even be achieved when connecting several units together to a multilane eSATA four-port host adapter, in order to support multi-stream uncompressed 10-bit 1080i HD post-production.

	5 ▾	1000MB ▾	E: 0% (0/11178GB) ▾
		Read [MB/s]	**Write [MB/s]**
Seq		261.1	218.7
512K		55.00	78.61
4K		0.588	1.252
4K QD32		0.583	1.212

RAID 0 mode benchmark***

LACIE SHORTCUT BUTTON˅
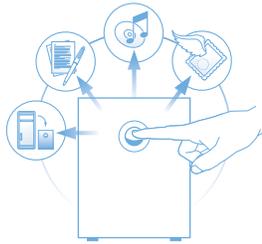
Launch Any Backup/Library
Application In 1 Push

Photography / Pre-Press / Imaging

Configured in secured RAID mode, the 4big Quadra can archive and protects hundreds of thousand of raw photos with comfortable speed for imaging experts, such as Apple Aperture® and Adobe Creative Suite® specialists. This makes it a fantastic tool to produce and manage professional projects and artwork. The LaCie Shortcut Button on the front of the 4big makes it even easier to open or back up your favorite libraries with a push of a button.

Backup, Restore, and Recover

The 4big Quadra comes with Genie® Backup Manager Pro for Windows® and Intego® Backup Manager Pro for Mac. This software enables you to reliably and efficiently back up your documents, emails, settings, or other digital assets. With its ease of use, you can schedule and customize the type of backup you create. Ideal for creative professionals, the Genie and Intego programs can easily find previous versions of your documents and restore them. With computer recovery options, professionals will be able to restore their configuration and to go right back to work in the event of a disaster with their workstation. It's easy to back up directly from your Mac with the native solution, since the 4big is compatible with Time Machine®.


1 TB˅˅ = 2 hours of uncompressed HD video or 70 hours of DVD or 77,500 raw photos˅˅˅

Quiet and Reliable Operation

For the best and most reliable cooling system for the 4big Quadra, LaCie has chosen the Noctua and the NF-P12 fan technology, designed in Austria, and automatically thermoregulated by SMART commands. The nine-blade design and the vortex-control notches of the blower provide superior pressure and airflow performance, all at a volume fewer than 19dBA. The best-in-its-class Noctua is rated at 150,000 hours MTBF, and its ultra-quiet design makes it perfect for even the most noise-sensitive creative environment. This attention to detail allows the 4big Quadra to be from 30% (seek) to 46% (idle) quieter than traditional comparable systems.▪

To find out more about Noctua technology, please visit www.noctua.at

ULTRA QUIET
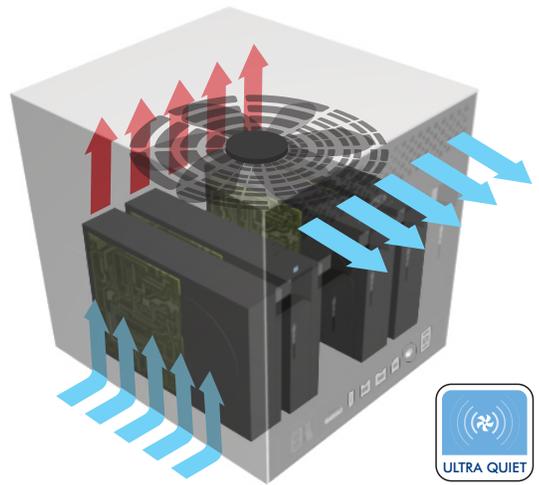
Versatility and Space-saving

With the 4big Quadra, your options for storage are near limitless. Designed with a sturdy aluminum body by industrial designer Neil Poulton, the 4big Quadra has been developed to be stackable, and enhance any work environment with its space-saving abilities. Thanks to the FireWire bus, it can be daisy-chained fewer cables connected to your computer. By using a four-port eSATA multi-lane host adaptor, you can connect up to four 4big Quadra and reach up to 48TB and speeds up to 600MB/s using programs such as Apple Disk Utilities to add an extra level of RAID 0 performance.

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Aluminum

Power Savings

Traditional RAID systems can consume a lot of power, but the 4big Quadra is different. LaCie has reduced power consumption by 30%▪ compared to the previous 4-disk RAID generations. Moreover, with the "Auto" mode of the triple position power button, the 4big is able to automatically go into standby mode—synchronized with the computer activity—and reduces the power consumption by up to 80%. For maintenance, the 4big can optionally be disconnected from the computer during a RAID protection rebuild—the 4big will complete the task in standalone mode, and you can switch off your computer!

RoHS

Features

- eSATA 3Gb/s, FireWire 800, FireWire 400, USB 2.0
- RAID 0, 10, 3, 3+Spare, 5, 5+Spare, Concatenation
- Fast burst transfer rates: up to 260MB/s (eSATA)
- Sturdy aluminum design
- LaCie Shortcut Button
- Triple Power Management: Auto/On/Off
- Easy to set up: plug and play, driver-free
- Compatible with Time Machine

Box Content

- LaCie 4big Quadra
- eSATA-to-eSATA (3Gb/s) cable
- FireWire 800 (9-to-9 pin) cable
- FireWire 400 (6-to-6 pin) cable
- USB 2.0 cable (USB 1.1 compatible)
- Power supply kit
- Quick Install Guide
- LaCie Utilities and User Manual:
  - Genie Backup Manager Pro software with computer recovery for Windows XP, Vista, 7
  - Intego Backup Manager Pro software with computer recovery for Mac OS X 10.5, 10.6

Minimum System Requirements

- Computer with an eSATA, FireWire 800, FireWire 400, or USB 2.0 port
- Latest version of Windows XP™, Windows Vista®, Windows 7 / Mac OS X 10.5, 10.6
- Minimum free disk space: 600MB recommended

Drive Activity LEDs

4 Swappable Drives

RAID Mode Selector

FireWire 400

eSATA 3Gb/s

On/Auto/Off

FireWire 800

USB 2.0

Power
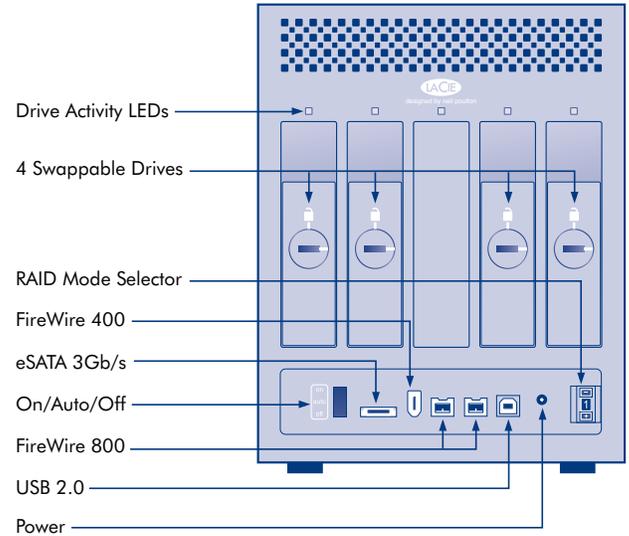
LACIE 4BIG QUADRA SPARE DRIVE

A spare drive and drawer for use with the LaCie 4big Quadra.

Item #	301364	301467	301997
Capacity	1TB	2TB	3TB

ADVANCE CARE OPTION

Premium 3 Year Warranty

The LaCie 4big Quadra comes with a 3 Year Limited Warranty. For superior service, it also comes with an optional LaCie Advance Care Option, which can be purchased separately online within 30 days of the purchase date. Under the Advance Care Option, LaCie will immediately swap out the product without it needing to be returned first for minimal interruption of your workflow. LaCie covers all freight costs. Availability depends on the sales area. See www.lacie.com for details.

LaCie 4big Quadra

DESIGN BY NEIL POULTON

Item Number	301357	301359	301434	301435	301562
Capacity▾▾	2TB	4TB	6TB	8TB	12TB
Interfaces	eSATA 3Gb/s, FireWire 800, FireWire 400, USB 2.0				
Interface Transfer Rates (maximum theoretical bus speed)	eSATA 3Gb/s: up to 3Gbit/s (300MB/s) FireWire 800: up to 800Mbits/s (100MB/s) FireWire 400: up to 400Mbits/s (50MB/s) USB 2.0: up to 480Mbits/s (60MB/s)				
Burst Transfer Rates* (Read RAID 0 maximum drive speed)	eSATA 3Gb/s: 220-260MB/s FireWire 800: 80-90MB/s FireWire 400: 35-40MB/s USB 2.0: 30-35MB/s				
Burst Transfer Rates (RAID 5 maximum burst transfer speed)	eSATA 3Gb/s: 200-250MB/s FireWire 800: 80-90MB/s FireWire 400: 35-40MB/s USB 2.0: 30-35MB/s				
Rotational Speed / Cache*	7200 rpm / 4x32MB or greater				
Seek Time (Read)	<10ms eSATA				
RAID Modes	Easy RAID selection: RAID 0, RAID 5, RAID 5+Spare, RAID 3, RAID 3+Spare, Concatenation, RAID 10				
LaCie Shortcut Button	Launch any application (backup, music, slideshows) with one push				
Backup Software	Genie Backup Manager Pro software with computer recovery for Windows XP, Vista, 7 Intego Backup Manager Pro software with computer recovery for Mac OS X 10.5, 10.6				
Triple Power Management	"Auto" for energy efficiency; "On" for instant access; "Off" for data protection				
Power Consumption▪▪▪	Standby mode: 10,3W; idle mode: 34W; seek mode: 37W				
Power Supply	100-240Vca; 50/60Hz				
Cooling System	Ultra-quiet cooling system with self-stabilizing oil-pressure bearing technology				
Acoustic†	Standby: negligible; Idle: 25 to 28 dBA; Seek: 25 to 29 dBA				
Dimensions (WxDxH)	178 x 197 x 225 mm / 7 x 7.8 x 8.9 in.				
Weight	7.6 kg / 16.8 lbs.				
Warranty	3-year limited				

*Maximum interface transfer rate = theoretical bus bandwidth, whereas burst transfer rate = maximum drive speed. Performance depends on the RAID mode selected and burst transfer rates vary from one computer to another and may vary slightly from one drive to another. Average speed is usually lower depending on host configuration.
**Hot-swapping is not possible in RAID 0 and concatenation modes.
***These measurements have been made in RAID 0 through eSATA 3Gb/s and may vary with computer and 4big configurations.
▾The LaCie Shortcut Button feature is available via FireWire and USB but not eSATA.
▾▾ 1TB (Terabyte) = 1000GB. 1GB = 1000MB. 1MB = 1,000,000 Bytes. Total accessible capacity varies depending upon operating environment (Typically 10% or less for 1TB). Capacity and cache memory vary depending upon RAID mode.
▾▾▾ Calculations are based on 1080i 60 (8-bit) for uncompressed HD video, NTSC DV 25 standard-definition 720x486, 29.97 fps for digital video; and an estimation of Digital SLR resolution of 10 megapixels for RAW photos of 12MB. These calculations are only estimations and may vary with the codec used.
▪ Indicative reference, when compared with the previous generation LaCie Biggest RAID tower.
▪▪ Windows XP does not support hard drives with capacities greater than 2TB.
▪▪▪ These measurements are indications and may vary by ±10%.
†This measurement has been made under normal conditions, 1 meter from the front of the product. It may vary with the condition and product configuration.

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LaCie Little Big Disk Quadra

LaCie d2 Quadra

LaCie 2big Quadra

LaCie 4big Quadra

compatible with WINDOWS® compatible with MAC OS® FIREWIRE® USB 2.0 eSATA SERIAL ATA 3 Gb/s LaCie