



LaCie 12big Rack Network



Network-Attached and Block Storage

Up to 48TB

Customizable. Robust. Enterprise Class.

Network-Attached Storage Just Got 12 Times Better.

A Complete Network Storage Solution

With room enough to store up to 24TB of data in an accessible, expandable, reliable 12-disk storage solution, the LaCie 12big Rack Network provides a way to get both block and network-attached storage in just one box. The 12big Rack Network supports six RAID modes (RAID 0, 1, 5, 6, 10, and 50), and offers full redundancy on almost all hardware elements and features dual 1G Ethernet connections. With many customizable features, including support for 500+ users, this high-powered, full-featured storage solution that can be used for critical backup, file, and block sharing is the ideal addition to any corporate network or branch office.

Redundant and Reliable

The LaCie 12big Rack Network's multiple redundant fans and power supply can be replaced on the fly. In addition, the OS is stored on two RAID 1-protected drives for complete redundancy and easier maintenance. The 12big Rack Network's hardware RAID controller and its XOR engine also provide extremely fast RAID initialization and rebuild time, resulting in the 12big Rack Network's improved reliability.

An Enterprise-Level OS

The LaCie 12big Rack Network is powered by Windows® Storage Server 2008 Standard Edition. Among its many great features on the file level is Single Instance Storage (SIS), which provides data deduplication. With SIS, your organization can reduce the amount of storage it consumes by a considerable amount. With the help of data deduplication, you can get up to 40% of your existing disk space back, so you've got less data to back up, which in turn increases backup speeds. Best of all, the SIS technology is included in the default cost of the 12big Rack Network, it's easy to use, and it can dramatically increase your organization's storage efficiency.

Rock Solid Components

Here at LaCie, we know that when it comes to your data, it's vital that it's stored safely and securely, and that's exactly what the 12big Rack Network provides. With its hardware RAID controller, its Quad-Core Intel Xeon processor, server-class motherboard, and Enterprise Class drives, it successfully stores and protects your business-critical data. In addition, we test every single enclosure for 24 hours prior to being shipped, so you can be assured that you're receiving the highest quality storage, helping your data stay safe and secure.

Flexible and Adaptable

The LaCie 12big Rack Network can serve as a file or block sharing appliance. As such, it supports both SMB and NFS file protocols, and it can also be used as an iSCSI target. With its two Ethernet ports and highest-grade components, the 12big Rack Network can successfully share critical files while also successfully functioning as a dedicated, direct-attached storage device that can be part of an IP SAN or an iSCSI target for applications that demand high bandwidth.

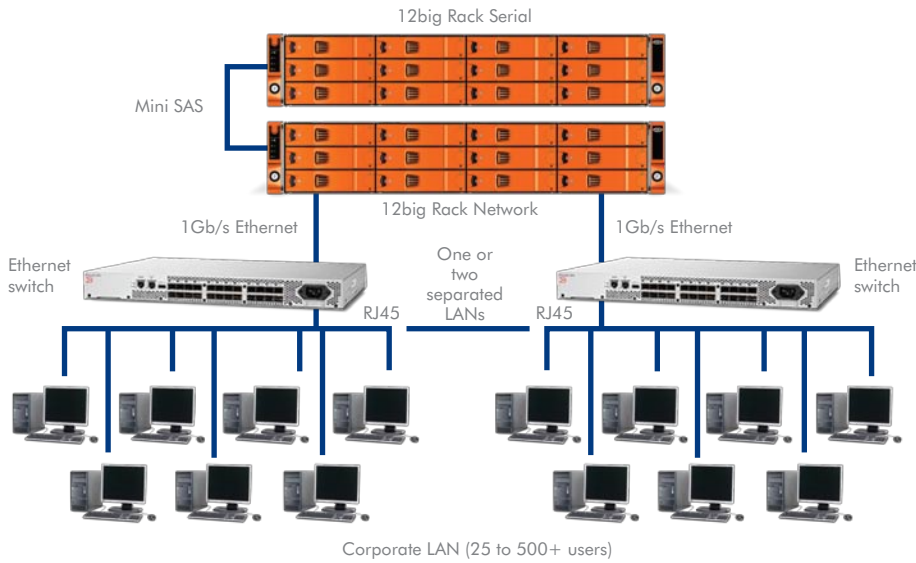
Scalability Without Tradeoff

At LaCie, we understand that the high performance that you need also has to come with scalability—the speeds that you demand shouldn't require a complete reshuffling of your IT infrastructure every time you're short on terabytes. Powered by a hardware RAID controller that pulls away resource-demanding RAID parity calculations from the processor, it can easily scale up without affecting performance and still guarantee the same level of data protection. To that end, should you run short on storage, you'd just need to plug a 12big Rack Serial through the Mini SAS expansion port to instantly double the number of drives—all while the XOR engine would manage the extra RAID calculations, the Xeon processor would successfully manage the increasing number of file serving requests, guaranteeing a successful scaleup in storage and users without a drop in performance.

- Windows Storage Server 2008 Standard Edition pre-installed
- The ultimate corporate file-sharing solution
- iSCSI targets for block sharing over IP SAN
- High component reliability means a one-stop shop for IT professionals
- Superior performance thanks to the hardware XOR RAID engine



Case Studies: How the 12big Rack Network Can Work for You

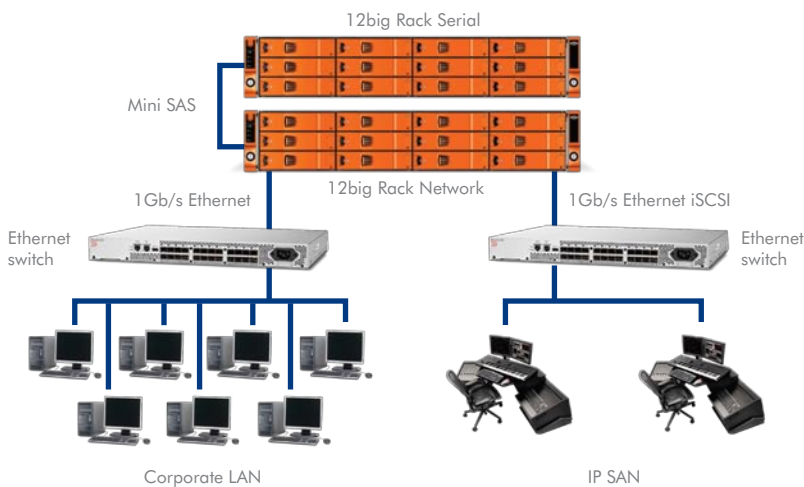
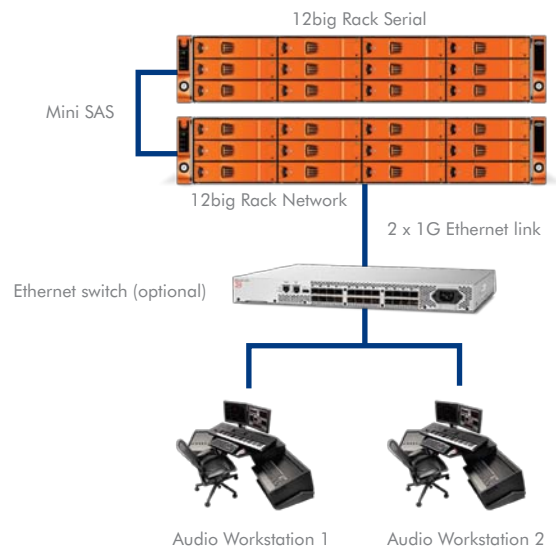


Case 1: Corporate NAS

- 1 x 12big Rack Network expanded in capacity by 1 x 12big Rack Serial
- 2 x 1Gb/s Ethernet connections to either one or two separated corporate LANs
- Files shared between workstations through SMB and NFS

Case 2: IP SAN

- 1 x 12big Rack Network expanded in capacity by 1 x 12big Rack Serial
- 2 x 1Gb/s Ethernet connections to two audio workstations for performance through iSCSI
- Block level data access



Case 3: File and Block Sharing

- 1 x 12big Rack Network expanded in capacity by 1 x 12big Rack Serial
- 1 x 1Gb/s Ethernet connection to the corporate LAN
- 1 x 1Gb/s iSCSI connection to 2 audio workstations
- Files shared through SMB and NFS on the corporate LAN for wide and easy file sharing
- Block level access through iSCSI for guaranteed superior performance.

Box Content

- LaCie 12big Rack Network enclosure with pre-installed Windows Storage Server 2008 Standard Edition
- 2 x Ethernet cables
- Rack rail mounting kit
- UK/EU/US power cords
- 12 x Enterprise Class SATA drives
- Quick Install Guide
- Installation CD-ROM with User Manual
- Windows Storage Server 2008 Standard Edition recovery CD



LaCie 12big Rack Network Accessories:

Accessory Name	Item #	Description
1TB Spare drive	131023	1TB LaCie 12big Rack Network Enterprise drawer
2TB Spare drive	131024	2TB LaCie 12big Rack Network Enterprise drawer
Cooling unit	131026	LaCie 12big Rack Network rescue cooling unit
Power supply	131027	LaCie 12big Rack Network rescue power supply
12big Rack Serial	131000	6TB LaCie 12big Rack Serial to expand the 12big Rack Network
12big Rack Serial	131001	12TB LaCie 12big Rack Serial to expand the 12big Rack Network
12big Rack Serial	131002	24TB LaCie 12big Rack Serial to expand the 12big Rack Network

ADVANCE CARE OPTION

LaCie Advance Care Option

Because LaCie develops storage solutions that meet both the performance and security needs of professionals, we also offer complete product support and a range of services that ensure maximum peace of mind for the customer. Our LaCie Advance Care Option underscores LaCie's commitment to providing service and support that adds value to your investment.

A LaCie Advance Care Option is the ultimate time-saving solution, helping you get back to work and secure your data faster. Once a Technical Support representative determines that your product needs to be replaced, LaCie will ship you a replacement product immediately. You do not need to pay any freight costs, or even send us your drive first. With our suite of 12big products, the LaCie Advance Care Option comes standard.

LaCie 12big Rack Network

Item Number	131020	131021	131022
Capacity*	6TB	12TB	24TB
Data Drive Bays	Serial ATA (SATA) hot pluggable		
Hard Disk Drives	3.5" SATA Enterprise Class for the 12 data drives, two 2.5" SATA boot drives (internally mounted)		
Processor	Intel Quad-Core Xeon Harpertown E5410 2.33 GHz CPU		
Memory	2GB DDR2-667 PC2-5300 FBDIMM		
Memory Type	Fully buffered DIMM technology memory DDR2-533 and DDR2-677 FBDIMMs		
DIMM Slots	8 240-pin FBDIMM sockets		
Enclosure Controller	On-board Vitesse VSC410 micro-controller		
Network Protocols	NFS, SMB, iSCSI via Internet Protocol Small Computer System Interface (iSCSI)		
OS Support	Red Hat Enterprise Linux 4.0; Microsoft Windows Storage Server 2003; Microsoft Windows Server 2003 Enterprise Edition; Microsoft Windows Server 2003 Standard Edition; Microsoft Windows Unified Data Storage Server 2003		
Front Panel Buttons and LED	Power button, Reset button, ID button, Power LED, Fault LED, ID LED		
I/O Connectors	1x 5-pin Mini USB		
Back Panel Buttons	ID button		
Input/Output PCI	2 PCIe x8 slots, 2 PCIe x4 slots, 2 PCI-X slots		
USB	Four USB 2.0-compatible connectors (rear)		
Serial Ports	One DB9 9-pin connector (rear)		
Video Port	One standard VGA-compatible 15-pin connector (rear)		
LAN Port	Two 10/100/1000 MB RJ-45 (rear)		
Other	One stacked PS2 mouse/keyboard (rear)		
Chassis Form Factor	2U rackmount chassis , supports low-profile PCI add-in cards only		
Dimensions	Height: 87.9 mm (3.46") 2 EIA Units Width: 447 mm (17.6") IEC Rack Compliant Depth: 707 mm (27.83")		
Weight	20kg (44lbs) without drives; 30kg (66lbs) with drives		
Rack Support	Rail mount, compatible with four-post rackmount only		
System Cooling Fans	Chassis includes ten hot-swappable redundant system fans for cooling the hard drives, base-board and PCI cards		
Power Configuration	850 W continuous, 1+1 redundant power supplies		
Environment Ambient Temperature	Operational: 5°C to 35°C Non-operating: 1°C to 50°C		
Relative Humidity	Non-operating: 8% to 80% non-condensing		
Acoustics	< 7.0 BA (rackmount) in an idle state in a normal office environment (23°C)		
Electrostatic Discharge	15 KV per Intel test specification		
Safety Compliance	Argentina: IRAM, Canada: UL60950 – CSA (60950 (UL and cUL), China: GB4943 – CNCA Certification Europe, CE Mark: EN60950 (complies with 73/23/EEC), Germany: GS License, International: IEC60950 (CB Report and Certificate), Nordic countries: EMKO-TSE (74-SEC) 207/94, Russia: GOST 50377-92, United States: UL– 60950 – CSA 60950 (UL and cUL)		
Electromagnetic Compatibility (Class A) (EMC)	Australia/New Zealand: AS/NZS 3548 (based on CISPR 22), Canada: ICES-003, Korea: RRL, MIC 1997-41 and 1997-42, Russia: GOST 29216-91 and 50628-95, Taiwan: CNS13438, United States: FCC, Part 15 RoHS European Directive: 2002/95/EC		
Warranty	3 years on enclosures, 5 years on disks		

*1TB= 1000GB. 1GB = 1000MB. 1MB = 1,000,000 Bytes. Total accessible capacity varies depending upon operating environment (typically 15% less). Capacity and cache memory vary depending upon RAID mode.

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