

Galaxy[®] LX5 NAS

8/16/24 Bay GbE NAS or iSCSI Target



- » Simple to install 2TB - 48TB NAS based on 8, 16, or 24 drive chassis ; optional JBOD expansion to 120TB available*
- » RAID 0, 1, 3, 5 & 6 protection
- » Hot-swappable drive, cooling fans, and power supply
- » Improved to ultra fast 2.26GHz Nehalem processor, 12GB RAM of On Board cache standard; dual-processor and additional RAM upgrade kit available *
- » Symantec agent allows backup over LAN
- » Dual GbE can be bonded for larger bandwidth requirements
- » iSCSI target, and optional 10GbE support
- » Failed drive reporting and auto-rebuild
- » Easy to use GUI for setup and administration
- » Error logs and email notification
- » Built-in asynchronous replication cloning
- » Supports Windows, Apple OSX, Linux and Unix

The Galaxy LX5 NAS Advantage

Rorke Data's Galaxy LX family of NAS and integrated storage server subsystems offers easy to implement, very competitive cost/MB, high-performance data storage without sacrificing processing power. Rorke can customize build a storage/server solution to meet and exceed your requirements, whether it be high-performance NAS, or an integrated application storage server centered around redundancy and parity. The Galaxy LX5 is designed to literally drop into your existing IP infrastructure and be operational within minutes.

Galaxy LX5 NAS chassis is a scalable, feature rich NAS and iSCSI appliance in an all-in-one storage system. With capacities up to 60TB "share" limits, this low cost, rack-dense network appliance is easily integrated into any IT, streaming media, or archive environment with its 2 GbE ports and 10GbE options. The LX5 NAS scales above the typical 16TB limits of other NAS systems, and offers RAID 6 data protection with a simple to use administration GUI. With varied sized base chassis and SAS JBOD add-ons, a user can grow the LX5 as requirements increase and disk drive technologies improve*. The built-in snap shot function and asynchronous replication of data with a remote LX5 creates a sophisticated disaster recovery method.

Improved LX5 NAS Advanced Features

The LX5 NAS can be configured as a simple NAS file server or used as near-line or overflow storage for Medical, CAD, CAM, and Video Editing. Media rich applications like Audio, Video and Graphics can use it as a spinning disk archive or as a disaster recovery and business continuance storage appliance.

This new generation of the Galaxy LX NAS provides:

- » Standard single chassis configurations support 40TB Network CIFS Share volume to users, with up to 120TB customized multi chassis configurations available*
- » Support for file serving or streaming media editing, or asset management applications
- » DHCP Server Support and Secure Administration Access
- » Embedded web based GUI for monitoring status and trouble shooting
- » Adaptive Load Balancing and Bonded GbE NIC or 10GbE options for higher bandwidth
- » Expansion via 3U 16 bay SAS/SATA JBOD up to 120TB, larger capacities optional*
- » Built-in Antivirus, SNMP, Email Notification
- » Embedded Symantec Client agents allow the network to backup LX5 NAS data
- » Built-in NAS to NAS asynchronous replication over LAN or WAN

* Upgrades beyond 60TB require RAM and CPU upgrade kit along with Disk JBOD

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System and Controller Features

Chassis	Compact 2 /3 /or 5RU Steel and Aluminum Alloy enclosure with rack mount kit. Dual FRU power supplies and fan assemblies and 3Gbit Drive Backplane Power on/ off switch; System Reset switch; LAN, Fan Fail, Power indicators; 6 High Speed Fans
System CPU / Controllers	2.26Ghz Nehalem Processor, 12GB of RAM, and USB DOM with LX5 OS. A single SATA or SAS RAID card controls the RAID. Upgrades beyond 60TB require CPU, RAM, DISK
Drive Support	8/16/24 3.5" x 1" SATA 3Gbit/s hard drives in field replaceable canisters Staggered physical drive spin-up, Drive LED support
External I/O Ports	Two [2]GbE host ports, keyboard, mouse for BIOS CLI, SAS expansion on RAID card allows JBOD add-on capacities up to 120TB

Operational Features

RAID protection	RAID 0,1,3,5,6 RAID 6 default Physical Drive Error Recovery, Replacement drive rebuild and monitoring ,SMART, Error recovery mechanisms
Key Features	Snapshots (VSS based) for file and block data; Replication; Global Namespace; File Server Resource Management for Quotas, File Screening, Storage Utilization Reports; Indexing Services for Optimized Search, Built in Anti Virus, Built in Network Backup Clients, ADS & NIS User / Group ID Synchronization NAS Support for over 2TB Physical and Logical Volumes, NAS Support for up to 50TB Logical Volumes, Multiple Logical Volume & Groups, Online Logical Volume Expansion, Support for Online Capacity Expansion up to 120TB
RAID Spares	Galaxy LX5 RAID 6 configuration has 2 parity drives and doesn't require a hot spare drive; therefore it can be maintained with a cold spare drive. When configured with RAID 5, a hot spare [spinning disk in the chassis] is required and included
Network Protocols / Files Supported	SMB/CIFS, NFS, FTP, iSCSI, HTTP

System Management

Supported Operating Systems	Windows, MAC OSX, Linux, Unix
Management Tools	Embedded Web management support — No host agent is needed using standard TCPIP; Simple process to create Users and Groups, ADS synchronization Volume creation or partitioning; NAS Tuning Tools for Optimal Performance for various applications; Easy to user Error logs and status monitoring
Management Interfaces	Embedded Web server and management support — No host agent is needed; Ethernet
Event Notification	Audible (buzzer), and visible (LEDs) alerts for bad drives, fans, and power supplies

Mechanical Specifications

Voltage	All LX5 have 90-264 VAC Auto-Ranging 50-60 Hz
Power Supply	8 Bay: 600W Redundant PS 16 Bay: 750W Redundant PS 24 Bay: 1350 Redundant PS
Power Consumption	(Under load with SAS HDD) 8 Bay: 165W 16 Bay: 310W 24 Bay: 425
Operating Temperature	5°- 35°C (-40° +70°C non operational)
Relative Humidity	Maximum 90%
Dimensions / Weight	8 Bay: 3.47 X 19.0 X 26.5 29Lbs / 16 Bay: 5.2 X 19.0 X 28.0 33Lbs / 24 Bay: 8.7 X 19.0 X 28.0 44Lbs
Safety	UL

Warranty and Support

Warranty	Three years complete system limited warranty
Support	24 x 7 email and phone support options (Americas & EMEA); 24 x 7 access to Rorke Data support site — drivers, firmware, compatibility Advanced replacements program

Easy to Install and Manage

Since 1985 Rorke Data has been successfully bringing you easy-to-install products. Pre-configured, tested, and customized to your needs before it leaves our ISO 13485 and ISO 9001 certified integration facility, your system is ready to use out of the box. Setting up minor configuration changes on site is simple. Our technical support staff is well versed and can help with any installation issues you may incur.

Service and Support

Rorke Data's Engineering Services delivers a unique value proposition for our customers. Through our US and EMEA customer support centers, we offer customized and flexible service agreements, installation and training, call center with online support options, advance parts replacement to onsite 24x7 options, contracted phone, page, and web support as well as extended equipment warranty options.