

**ADVANCED DATA PROTECTION**

# LENOVO®EMC® px12-400r NETWORK STORAGE



ADVANCED DATA PROTECTION.  
SERVER-CLASS TECHNOLOGY.  
CLOUD STORAGE CONVENIENCE.

## THE SMALL BUSINESS SOLUTION WITH ENTERPRISE-CLASS CAPABILITIES.

The Lenovo®EMC® px12-400r Network Storage Array is the perfect entry-level solution for small-to medium-sized businesses that need enterprise-level features. Powered by enterprise-class LenovoEMC storage technology, the LenovoEMC px12-400r offers advanced data protection, cloud convenience and certification for most virtualization environments that are usually only found in enterprise options. As the affordable entry-level rackmount array of the px Series, the px12-400r offers up to 48TB of storage capacity and solid state drives compatibility – an ideal combination for production data stores, backup-to-disk target and server virtualization solutions.

## EMBEDDED CLOUD TECHNOLOGY

LenovoEMC offers a fast and efficient “on-ramp” to the cloud along with flexible options for safeguarding business-critical data. With LenovoEMC, you have unprecedented choices, including personal, private, public and hybrid clouds, to meet your business, budget and data protection needs. Regardless of approach, LenovoEMC ensures that files and folders can be easily backed up directly from any LenovoEMC device to the cloud — it’s really that simple and seamless to ensure vital business data is safe and sound.

## VIDEO SURVEILLANCE STORAGE

With LenovoEMC, it’s easy to view, archive, protect and share physical security video and audio files. The LenovoEMC px12-400r can easily be setup as a storage target for your security installations. It also comes with a built-in video surveillance solution, Mindtree® SecureMind™ Surveillance Manager, to deliver a stand-alone VMS that easily sets up recordings and configurations directly and offers live monitoring, video recording, and easy, fast video playback from multiple IP cameras.



## NETWORK STORAGE HIGHLIGHTS

- Powered by Lenovo®EMC® storage technology
- Supports PC, Mac® & Linux® clients
- Certified for VMware®, Citrix® XenServer™, and Windows® Server
- Flexible configurations of a diskless option, storage pools and configurable RAID
- Windows Active Directory Trusted Domains, MSCS and Hyper-V Live Migration support
- Built-in anti-virus scanning and cleaning with McAfee® VirusScan® Enterprise
- Embedded Cloud Technology including EMC® Atmos® Cloud Connector, EMC® Avamar data deduplication, Iomega® Personal Cloud, Mozy Pro™, and Amazon® S3
- Video Surveillance ready with Mindtree® SecureMind™ Video Management System (VMS) application, including one IP camera license

## FEATURES AND BENEFITS


- **Enhanced Operating System** – Powerful Lenovo<sup>®</sup>EMC<sup>®</sup> LifeLine™ software allows users to store and manage all of their valuable data on one centralized, secure, affordable storage appliance.
- **System Status Dashboard** – The LenovoEMC LifeLine system status dashboard provides a one-stop-shop for space usage, device information, control, and status. If one of these components has encountered an error, you are linked to the page that requires your attention.
- **RAID Support** – RAID 1, 10, 5, 6, & hot spare, automatic RAID rebuild and hot swap. RAID 0 and JBOD mode also available.
- **Quad Gigabit Ethernet Connectivity** – With high performance embedded architecture.
- **iSCSI Target** – Provides block-level access for the most efficient storage utilization, especially for backup, database and email application performance. It can be used in parallel with five level storage access via CIFS/NFS. Includes support for persistent reservations.
- **IVX (Integrated Virtualization Technology)** – Run multiple virtual machines (VMs) on the Lenovo Iomega ix4 device. VMs can be running Linux or Windows and can have their own private virtualized hardware, such as network cards, drives, and graphics adapters.
- **Snapshots** – Allows backup of a source volume at a certain point in time and restore to the source volume, reverting to its state at the time.
- **SSD Caching (Cache Pools)** – Pool of solid-state drives designed to increase read and write speeds.
- **Simplified Backup** – PC Backup with Acronis and Time Machine compatibility for OS X.
- **Deduplicating Backup with EMC<sup>®</sup> Avamar** – Equipped with integrated data deduplication technology, Avamar facilitates fast, daily full backups significantly reducing backup windows.
- **Sharing** – Access files from any networked Windows<sup>®</sup> PC, Linux<sup>®</sup> or Mac<sup>®</sup> for easy file sharing and data backup.
- **LenovoEMC Link** – LenovoEMC Link gives you a direct link to your LenovoEMC device via your iPhone, iPod Touch, iPad or Android mobile device.
- **Remote Access** – You can safely connect to your valuable files from anywhere in the world, through an internet connection.
- **Power Savings** – Idle drive spin-down reduces power consumption; a variable-speed fan ensures that only the right amount of power is used to cool your device.
- **Power Handling Improvements** – Scheduled power off/Wake On LAN supports the ability for a device to 'go to sleep' and shut itself down or 'wake on' when there is little to no traffic or activity to reduce power consumption.
- **Encrypted Volume** – Allows you to create an encrypted volume with an assigned password; thus securing the data on the encrypted volume.

- **Anti-Virus Scanning** – Built-in anti-virus scanning and cleaning with McAfee<sup>®</sup> VirusScan<sup>®</sup> Enterprise.
- **Network File Protocols Supported** – CIFS/SMB/Rally (Microsoft), NFS (Linux/UNIX), AFP/Bonjour (Apple), FTP, SFTP TFTP, HTTP, HTTPS, WebDAV, Windows DFS, SNMP.
- **Virtual Environment Support** – VMware<sup>®</sup>, Citrix XenServer™ and Windows<sup>®</sup> certified for NFS (VMware only) & iSCSI.
- **Device-to-Device Data Replication** – Replicate your data from LenovoEMC to LenovoEMC, to an external USB drive, or to another network target.
- **Backup-to-Disk (B2D) Target** – With HCL listing, LenovoEMC network storage products are identified as compatible disk targets for Symantec<sup>®</sup> Backup Exec software.
- **Video Surveillance** – Use as a Surveillance Storage Target and simply store surveillance video on up to 48TB of capacity and utilize remote management; or get an all encompassing solution that blends smart storage, leading VMS software and IP cameras with the Integrated Video Management System (IVMS), connecting up to 48 cameras per device with Mindtree<sup>®</sup> SecureMind™ Surveillance Manager; utilize cloud technology for a low-cost solution with the Hosted Video Surveillance Solution (HVSS).
- **Personal Cloud Technology** – The ultimate data protection and remote access solution for SMBs, this web-based solution protects valuable business information and is completely self-owned, so there are no usage or subscription charges.
- **Solid State Drive Support** – For IO intensive applications, the px12-400r can be fitted with solid state drives to boost performance.
- **Cloud Backup Options** – Back up selected files directly from your LenovoEMC to the MozyConnect™, Atmos or Amazon S3™ storage clouds for off-site safekeeping of important data. Additional charges apply.
- **Mac OS X Lion and Time Machine<sup>®</sup> Support** – Supports Mac Mountain Lion OS X 10.8 and Time Machine, allowing the LenovoEMC to serve as a Time Machine target for your Apple computers.
- **User Quotas** – Manage capacity by setting a maximum for shared storage.
- **UPS Support** – Enables unattended system shutdown via the USB port without data loss in the case of power failure.
- **Expandability** – Add storage capacity by connecting external USB Hard Disk Drives; read and write on Fat32, NTFS, HFS+, or ext2/ext3 formatted hard disks.

## SERVICE AND SUPPORT

LenovoEMC support options deliver choice and flexibility. The LenovoEMC px series includes a standard three-year warranty with U.S.-based phone support thirteen hours a day, five days a week. Optional service plans available, the Enhanced Service Plan or the Premium Service plans that include 24x7 support and onsite support. See [www.iomega.com/serviceplans](http://www.iomega.com/serviceplans) for more details.

## PRODUCT SPECIFICATIONS

LenovoEMC px12-400r	SKU (CAPACITY)	INTERFACE	KEY FEATURES
	70BN9004WW – DISKLESS (WW) 70BN9005WW – 4TB (4HDX1TB WW) 70BN9000WW – 8TB (4HDX2TB WW) 70BN9001WW – 12TB (4HDX3TB WW) 70BN9003WW – 16TB (4HDX4TB WW) 70BN9006WW – 24TB (12HDX2TB WW) 70BN9007WW – 36TB (12HDX3TB WW) 70BN9008WW – 48TB (12HDX4TB WW)	Ethernet Port (4xGbE)	<ul style="list-style-type: none"> <li>• LenovoEMC LifeLine</li> <li>• Quad GbE NICs</li> <li>• Solid State Drives support</li> <li>• RAID 1, 10, 5, 6, &amp; hot spare</li> <li>• Automatic RAID rebuild and hot swap</li> <li>• RAID 0 and JBOD mode also available</li> <li>• Device-to-Device Data Replication</li> <li>• VMware, XenServer and Windows certified</li> <li>• 3 USB ports</li> <li>• Dual Redundant Power Supply is Standard</li> </ul>

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 S3<sup>™</sup> Mozy<sup>™</sup> McAfee<sup>™</sup> LifeLine<sup>™</sup>