Iomega® StorCenter™ px4-300r Network Storage Array

Description

Short – The Iomega® StorCenter™ px4-300r Network Storage array is a high performance server class rackmount array that is ideal for small-to medium-sized businesses and distributed enterprises for local and remote content sharing and advanced data protection. Powered by EMC ® storage technology and with up to 12TB of storage capacity, including a diskless option, the px4-300r comes in a space-saving 1U form factor that is easy to setup and manage, and affordable to own.

Long - The Iomega® StorCenter™ px4-300r Network Storage array is a high performance server class rackmount array that is ideal for small-to medium-sized businesses and distributed enterprises for local and remote content sharing and advanced data protection. Powered by EMC ® storage technology and with up to 12TB of storage capacity, including a diskless option, the px4-300r comes in a space-saving 1U form factor that is easy to setup and manage, and affordable to own. The StorCenter px4-300r provides cross-platform file sharing and simultaneous iSCSI block access. High performance I/O is achieved through dual GbE connections with port bonding and link aggregation capabilities. The Iomega Personal Cloud technology offers unparalleled simplicity and versatility for data protection and access. Business users will appreciate the robust data protection features such as multiple RAID levels with hot swap drives, UPS support, print serving, user quotas, device-to-device data replication and certification for most virtualization environments. The easy-to-use interface provides no-hassle management. Active Directory support and remote access round out the comprehensive business features. The StorCenter px4-300r also embeds the Axis® Video Hosting System solution and can support up to 12 Axis IP security cameras for video surveillance applications. RSA® BSAFE® encryption for protected installs and upgrades are included along with support for PC, Mac® and Linux® clients.

Features

Capacity: 0 – 12TB. 4 x SATA HDD bays. Empty bays are fitted with a drive carrier. Carrier can accommodate 2.5" and 3.5" drives. Drives are available from Iomega or may be purchased from the approved vendor list.

SSD Support: For IO intensive applications, the px4-300r can be fitted with solid state drives to boost performance.

RAID Support: RAID 0, 1, 10, 5, and 5+1 (hot spare), all with automatic RAID rebuild and hot swap. JBOD mode also available.

Network File Protocols Supported: CIFS/SMB/Rally (Microsoft), NFS (Linux/UNIX), AFP/Bonjour (Apple), FTP, TFTP, HTTP, HTTPS, WebDAV, Windows DFS, SNMP.

Dual Gigabit Ethernet connectivity with high performance embedded architecture.

Dual Power Supply Capable – Simply add a second accessory power supply for 1+1 redundancy. Ships with a single power supply.

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 file-level storage access via CIFS/NFS. Includes support for SCSI-3 persistent reservations.

High-Performance
- Solid state drives (optional)
- Dual Core Intel Celeron Processor
- 2GB memory
- Dual GbE NICs

Flexible Configurations
- Diskless option, bring your own drives
- Storage pools with RAID expansion, migration and hot spares
- Advanced RAID levels including Hot Spare

Server-class Pedigree
- Certified for VMware® vSphere 4.0, Citrix® XenServer™, Windows Server 2003, Windows Server 2008, and Windows Server 2008 R2. EMC E-Lab tested

Business-class features
- Windows Active Directory Trusted Domains, MSCS and Hyper-V Live Migration support

Built-in Iomega Cloud Technology
- Centralize, share and protect your data from anywhere

Advanced Networking Capabilities:
- NIC bonding for failover and load balancing including 802.3ad link aggregation.
- Jumbo frame support for 4000 and 9000 byte payloads.
- VLAN Tagging capability to IEEE 802.1Q standard.
- iSCSI persistent reservations for clustered Microsoft environments.

Data Replication / Device to Device Data Copy Jobs:
- Easily copy files to and from attached USB drives or any network share – including Iomega Personal Cloud locations – using the secure rsync or CIFS protocol.
- Define your Copy Job to copy/synchronize files to and from connected drives and/or any other shared storage on your network.
- Schedule jobs to run on a predetermined schedule.

Expandability: Add storage capacity by connecting external USB hard disk drives. Supports read/ write on Fat32, NTFS, ext2/ext3, or HFS+ formatted drives.

Application Manager: Third party applications can be installed using the embedded application manager.

Data organization and access: Windows DFS organizes folders and files on a network, such that they appear to be all in one directory tree on a single Iomega StorCenter system, even if the folders reside on many devices in many different locations. WebDAV (Web-based Distributed Authoring and Versioning) enables viewing, adding, or deleting files on a StorCenter from the web, via HTTP or HTTPS for added security.

Power Savings: Automatic hard drive spin-down assure the most efficient (minimal) power consumption.

Print Server: Intelligent print sharing capability for up to 3 USB printers connected to the StorCenter px4-300r.

Uninterruptible Power Supply (UPS) Support: Enables unattended system shutdown via the USB port without data loss in the case of power failure.

Simple Management using the web UI – either local or remote.

System Status: Consolidated resource on space utilization, device information, and status. In addition, you can manage controls such as device restart from here.

Reporting: Email alerts and Event Logging provide up-to-the-minute updates on the status of your device even when you are away from your computer. SNMP agent monitoring helps administrators centrally manage the StorCenter px4-300r.

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Iomega Personal Cloud

Iomega® Personal Cloud is the revolutionary technology that allows you to protect and share your data. Iomega Personal Cloud is a patent-pending, web-based computing architecture that connects your Iomega StorCenter™ Network Storage Array devices to other individuals and/or devices via the Internet. Unlike public and private cloud applications, Iomega's Personal Cloud technology is completely self-owned – so the content and accessibility is always under your control.

Backup: Keeping a second copy of your data in an offsite location ensures availability in the event of an unforeseen disaster. Remote backups can run in the background after business hours to eliminate network bottlenecks.

Copy Data: Users around the globe can copy files directly between computers as though they were on a local network.

Collaboration: Easily set up a shared workspace so that local and remote users can view and edit documents (spreadsheets, presentations, and word processing documents, for example) – especially useful for helping geographically dispersed workers collaborate.

Sharing: Sending large files can quickly choke your company's e-mail system. And e-mailing sensitive files can raise security concerns. Iomega Personal Cloud offers functionality that makes it easy to securely copy and transfer large or confidential files.

Security: Iomega Personal Cloud allows you to choose who has access to what data by invitation only. And, users can choose from three levels of security when sending data over a public network. At many smaller companies, locally stored files are at risk from theft, fire, software problems, and hardware failure. Cloud storage offers built in redundancy at every level: hard drive, server, and datacenter.

Low Maintenance: Once the system is set up there is almost no maintenance. You still have to manage user accounts, but jobs like array maintenance and monitoring the health of your data storage simply go away.

Archiving: Archiving older files to a remote StorCenter frees up space on your primary StorCenter device for day-to-day business needs. Less capacity required for primary storage saves you money.

Security Camera: Built in support for up to 12 UPnP (universal plug and play) network cameras by Axis® and Panasonic to capture and store video without the need of a dedicated PC. IP cameras from other manufacturers can record to a Share, but are not automatically discovered. Video is encoded as MPEG-4.

- Embedded Axis Video Hosting System solution (AVHS) for local to hosted cloud video storage and management.

Powerful Backup Functionality

- Backup *all* the computers on your network simply by downloading and installing the available client backup software. Also compatible with today's most common backup software applications.
- **Time Machine® Support**: Allows Apple® users to easily backup any Mac computers running OS X (10.5 or later) using Time Machine.
- **Personal Cloud Backup:** Synchronize data between personal cloud member systems and the px4-300r.
- **Public Cloud Backup:** Use one of the integrated 3rd party cloud-based storage services such as Amazon S3 or MozyConnect™ to replicate data from your px4-300r to your public cloud account.
- **Cloud Disaster Recovery:** Utilize two px4-300r devices in different locations and the Iomega Personal Cloud function to create your own disaster recovery scheme.

Total Data Protection:

- **Native security support** with robust username and password authorized access. Create additional users and secure their content with password protection.
- **User Quotas:** Easily manage capacity by setting maximum limits per user.
- **RSA® BSAFE®** technology protects installs and upgrades.
- **Data Protection Software:** Iomega's QuikProtect™ backup software is available for download.

Software Compatibility: Compatible with today's most common backup software, web browsers, media devices and computers.

Warranty: 3 year limited warranty (with product registration)

Other Features

Built in Audio Video Media Server - UPnP™ DLNA Certified®:
- Stream content to media devices.
- Built in iTunes™ server.

Social Media Sharing:
- Integrated Facebook, Flickr and YouTube sharing.

Torrent Download Manager:
- Integrated peer-to-peer file transfer management.

Digital Photography Tools
- Picture Transfer Protocol (PTP): automatic transfer of photos from digital cameras via the USB port. Plus photo resize and watermark capability.

Bluetooth® Upload: Upload contacts, photos, and more from a cell phone, pocket PC or BlackBerry phone (Bluetooth USB adapter required, sold separately).

Contents

- Iomega® StorCenter™ px4-300r Network Storage Array
- Ethernet cable
- Power supply
- Printed Quick Start Guide
- Solutions CD with:
    - Iomega Storage Manager software
    - User Help Documentation

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Specifications

- 1U form factor. Less than 20" depth accommodates shallow racks
- Intel Celeron E1500 Dual Core @ 2.2GHz, with 2GB RAM
- 4 x 3.5" Hot swap SATA-II Hard Disk Drives and / or Solid State Drives. 7200 RPM HDDs if purchased with the px4-300r.
- RAID Levels: RAID 0, 1, 10, 5, and 5+1 (hot spare)
- 2 x RJ45 10/100/1000Mbps (GbE) Ethernet ports
    LAN standards: IEEE 802.3, IEEE 802.3u
- 3 x USB 2.0 ports (to connect external HDD, printers, UPS, Bluetooth dongle)
- PCIe x 4 slot
- iSCSI LUNs - up to 256 LUNs
- Client computers for file system access
    - Windows PC, Mac OS, Linux
- AC Voltage 100-240 VAC
- Power consumption – 170 Watts (max)
- Acoustic noise – 40 dBA maximum
- User interface localized for English, French, Italian, German, Spanish, Brazilian Portuguese, Russian, Traditional Chinese, Simplified Chinese, Korean, Japanese, Arabic, Hebrew, Turkish, Swedish, and Polish

Certifications

The Iomega® StorCenter™ px4-300r Network Storage Array has received the following certifications:

- Windows® Server 2003 and Windows Server 2008, and 2008 R2 including Microsoft® Cluster Server and Hyper-V Live Migration.
- VMware® VSphere ESX4 iSCSI and NAS, XenServer™ 5.5, 5.6 (w/ MPIO), iSCSI & NFS

System Requirements

- Available 10/100/1000 Mbps network Ethernet port (required).
- Internet Explorer 7, Firefox® 3.x, Safari 3 or later browser.
- CD or DVD drive to install software.

- Personal cloud and remote access specific requirements:
    - Internet connection
    - Universal Plug and Play (UPnP™) compatible router, or administrative rights to port forward.
    - Recommended minimum sustained connection speeds for a good Personal Cloud experience.
        - Download: 2.5 Mbit/s
        - Upload: 500Kbit/s

PC Users:
- Microsoft® Windows XP or newer.

Mac® Users:
- Mac OS X 10.4 or newer.

Linux® Users
- Linux: Redhat Enterprise 4-6, Ubuntu 7.10 - 10.10, OpenSUSE 10.3 – 11.3

Scheduled Availability –May 2011

Weight and Dimensions

Unit Information	Single Package Information	Pallet Information
20" x 17" x 1.7" 510mm x 430mm x 43.6mm (Depth x Width x Height) Weight 33 lbs (15 Kg) with HDDs	28" x 23.6" x 7" 710mm x 600mm x 180mm Weight 34 lbs (15.3 Kg) with HDDs	Air shipment total pallet dimension: 48" x 28.3" x 52.5" 1219mm x 720mm x 1334mm , Total gross weight: 489 lbs (221.80 Kg.) 14 units / pallet Sea shipment total pallet dimension: 48" x 238.3" x 39" 1219mm x 720mm x 988mm , Total gross weight: 354 lbs. (160.60 Kg.) 10 units / pallet

All dimensions LxWxH and are approximations.

Ordering Information

Capacity	Configuration	Model Name	SKU	UPC Code
0TB	4 x empty drive carrier	StorCenter px4-300r Network Storage Array, 0TB	35661	742709356612
8TB	4 x 2TB HDD	StorCenter px4-300r Network Storage Array, 8TB	34774	742709347740
12TB	4 x 3TB HDD	StorCenter px4-300r Network Storage Array, 12TB	34775	742709347757
Accessories				
Redundant Power Supply		HOT SWAPPABLE POWER SUPPLY FOR PX4-300R	35667	742709356674
HDD		NAS DRIVE 2TB HDD BARE FOR PX SERIES	35103	742709351037
HDD		NAS DRIVE 3TB HDD BARE FOR PX SERIES	35448	742709354489
SSD		NAS SSD 128GB HDD BARE FOR PX SERIES	35537	742709355370
Service Plans				
Enhanced Service Plan – 3 year advance replacement, 24/7 phone support			35698	742709356988
Premium Service Plan – 3 years advance replacement, 24/7 phone support, NBD on-site			35699	742709356995
Enhanced PLUS Service Plan – 5 year advance replacement, 24/7 phone support			35701	742709357015
Premium PLUS Service Plan – 5 years advance replacement, 24/7 phone support, NBD on-site			35700	742709357008

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Additional Product Images