

iomega[®] StorCenter[™] px12-350r Network Storage Array, 8TB - 36TB

Description

The iomega[®] StorCenter[™] px12-350r is a powerful network storage solution offering the highest levels of performance and advanced data protection for small- to medium-sized businesses and the distributed enterprise. Powered by enterprise-class EMC[®] storage technology, the StorCenter px12-350r is ideal for production data stores, server virtualization, backup-to-disk target and video surveillance. Available in configurations up to 36TB in a single array, the high performance px12-350r is easy to use and manage, and affordable to own. The StorCenter px12-350r includes many enterprise-class features, such as device-to-device data replication to ensure data integrity at both the source and the replication target and businesses will appreciate extremely high throughput with quad-Gigabit Ethernet connectivity and an Intel[®] Core[™]2 Duo Processor, plus link aggregation (port bonding) and the option of solid state drives.



Features

Capacity: Starting at 8TB (4 x 2TB SATA-II HDDs) with maximum capacity of 36TB (12 x 3TB SATA-II HDDs)

- 4-drive disk packs enable expansion to 8 or 12 drive configurations

Expandability: Add storage capacity by simply adding drives in the unpopulated drive bays. Added drives can be brought into an existing Storage Pool or made into a new Storage Pool. Additionally, USB connected Hard Disk Drives can be attached and used as shares. The StorCenter px12 supports read and write on Fat32, NTFS, or ext2/ext3 formatted hard disks; read only of external HFS+ formatted drives.

RAID Support: RAID 1, 10, 5, and 6 with hot spare, automatic RAID rebuild and hot swap. RAID 0 and JBOD mode also available.

SSD Support: For IO intensive applications, the px12-350r can be fitted with solid state drives to boost performance.

Storage Pools: Storage Pools group drives of like size and RAID protection together to simplify management. Optimize block storage performance with dedicated iSCSI storage pools.

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

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
- 4GB memory
- Quad GbE NICs

Flexible Configurations

- Storage pools with RAID expansion, migration and hot spares
- Advanced RAID levels including Hot Spare

Server-class Pedigree

- Certified for VMware[®] vSphere 4.1, 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.

Application Manager: 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 px12-350r.

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 px12-350r.

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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 px12-350r.
- **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 px12-350r to your public cloud account.
- **Cloud Disaster Recovery:** Utilize two px12-350r 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

Other Features

Built in Audio Video Media Server - UPnP™ DLNA® Compliant:

- 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).

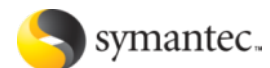
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Specifications

- 2U form factor, 12 slots for 3.5 inch SATA-II Hard Disk Drives
- Intel Core2 Duo E8400 @ 3GHz CPU
- 4GB DDR2 Memory
- Four (4) 10/100/1000 Mbps Ethernet ports (RJ 45 connector)
- Four (4) 7200RPM SATA-II hard disk drives
- RAID 0, 1, 10, 5, and 6 protection on a per-Storage Pool basis
- Power Consumption
 - Max: 200W
 - Min: 110W (drives spun down)
- iSCSI: Block storage pools; 32 LUNS maximum per pool. 128 LUNs maximum per device.
- File storage pools; 256 LUNs Maximum per pool. 256 LUNs maximum per device.
- 256 hosts maximum
- Three USB 2.0 ports; One front, two rear
- LAN standards: IEEE 802.3, IEEE 802.3u
- AC Voltage 100-240 VAC, 50-60 Hz
- Acoustic noise – 56 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

Contents

- Iomega® StorCenter™ px12-350r Rackmount NAS Server
- Sliding rail kit for standard 19" rack
- Ethernet cable
- Power cables (support for worldwide distribution – cable for: USA, UK, Japan, Europe & Australia)
- Printed Quick Start Guide
- Solutions CD with system administration software and user manual



Certifications

The Iomega® StorCenter™ px12-350r Network Storage Array has received the following certifications:

- VMware vSphere™ 4.1, iSCSI
- Windows® Server 2003 and Windows Server 2008, and 2008 R2 including Microsoft® Cluster Server and Hyper-V Live Migration.
- XenServer™, 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
 - Personal Cloud is not compatible with Active Directory
 - Personal Cloud is not compatible with XP 64 bit

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 – July 2011

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Weight and Dimensions

Unit Information	Master Carton Information
25.98" x 16.93" x 3.46" 660 mm x 430 mm x 88 mm 43 lbs / 19.5 kg (4 drives included)	38.125" x 23.625" x 9.0" 968 mm x 600 mm x 229 mm 60 lbs / 27.2 kg (4 drives included)

All dimensions LxWxH and are approximations.

Ordering Information

Capacity	Configuration	Model Name	SKU	UPC Code
8TB	4 x 2TB HDD	StorCenter px12-350r Network Storage, 8TB	35721	742709357213
12TB	4 x 3TB HDD	StorCenter px12-350r Network Storage, 12TB	35722	742709357220
Accessories				
Expansion Pack		4 x 2TB HDD Expansion Pack	35756	742709357565
Expansion Pack		4 x 3TB HDD Expansion Pack	35757	742709357572
Service Plan		Enhanced Service Plan - px12 2TB HDD, 3 yr	35799	742709357992
Service Plan		Premium Service Plan - px12 2TB HDD, 3 yr	35803	742709358036
Service Plan		Enhanced Service Plan - px12 2TB HDD, 5 yr	35801	742709358012
Service Plan		Premium Service Plan - px12 2TB HDD, 5 yr	35805	742709358050
Service Plan		Enhanced Service Plan - px12 3TB HDD, 3 yr	35800	742709358005
Service Plan		Premium Service Plan - px12 3TB HDD, 3 yr	35804	742709358043
Service Plan		Enhanced Service Plan - px12 3TB HDD, 5 yr	35802	742709358029
Service Plan		Premium Service Plan - px12 3TB HDD, 5 yr	35806	742709358067
Spare HDD, 2TB		Single Spare/Accessory HDD, Hot-Swappable, 2TB	35754	742709357541
Spare HDD, 3TB		Single Spare/Accessory HDD, Hot-Swappable, 3TB	35755	742709357558
Accessory SSD, 128GB		Single Spare/Accessory SSD, Hot-Swappable, 128GB	35666	742709356667
Spare Power Supply		Spare/Accessory Power Supply, Hot-Swappable	34713	742709347139
Spare Fan		Spare/Accessory Fan, Hot-Swappable	34714	742709347146
Spares Kit, 2TB HDD		px12 Spares Kit with 2TB HDD, Fan and Power Supply	35758	742709357589
Spares Kit, 3TB HDD		px12 Spares Kit with 3TB HDD, Fan and Power Supply	35759	742709357596

Additional Product Images

