



absolutely™

# My Cloud™ EX4

## Personal Cloud Storage

Built from the ground up with the quality and reliability you've come to expect from WD®, My Cloud EX4 is a high-performance, four-bay NAS for your home or small office. It offers a robust all-metal enclosure, multiple RAID volumes, easy drive installation and a full suite of apps for the power and flexibility to expand your NAS features.



## Product Features and Benefits

### Your options are endless

Choose the diskless enclosure with easy drive install and hot swap to effortlessly add up to four drives and grow as your needs expand.\* Or, choose a populated system that works right out of the box, featuring WD Red™ NAS hard drives for ultimate compatibility in the unique 24x7 NAS operating environment.

*\*For the latest list of compatible drives, visit [wd.com/mycloudex4](http://wd.com/mycloudex4).*

### High-performance NAS

Dual Ethernet and power supply ports; 512 MB memory and 2.0 GHz processor deliver reliable, blazing-fast performance for your home or small office.

### Drive management and data protection at its best

You're armed with multiple options to secure your data from loss. Choose RAID 0, 1, 5, 10 or select from spanning and JBOD modes for even more options to manage your data.

### Easy to manage

A powerful dashboard and LCD display means your system is always under your control. Monitor your drives, manage users and utilize energy-saving features. Email and mobile alerts keep you informed on My Cloud EX4 status.

### Award-winning desktop and mobile apps

With WD's apps, you can upload, access and share your documents from anywhere. Conveniently transfer files from your public cloud accounts to the My Cloud EX4 directly from the mobile app.

### Powerful apps to customize your NAS

Featuring industry-leading apps, including aMule, Icecast, Joomla!®, phpBB®, phpMyAdmin and SqueezeCenter.

### Advanced serving options

Integrated file server, FTP server, backup server and P2P download server.

### Stream media to your connected devices

Stream videos and photos to connected TVs, media players, gaming consoles and other DLNA®/UPnP® devices. Features a Twonky and DLNA-certified media server.

### Back up, your way

Protect your data with remote backup to another My Cloud EX4, integrated cloud backup or LAN/WAN backup. Enjoy peace of mind with WD SmartWare™ Pro for PC users and Apple® Time Machine® for Mac® users to protect your data.

### Increase your personal cloud capacity

Simply attach a compatible USB hard drive directly to one of the two USB 3.0 expansion ports on My Cloud EX4 and instantly expand your storage capacity.

### Integrated energy-saving features

Save money on your energy bill with disk spin-down and scheduled power on/off.

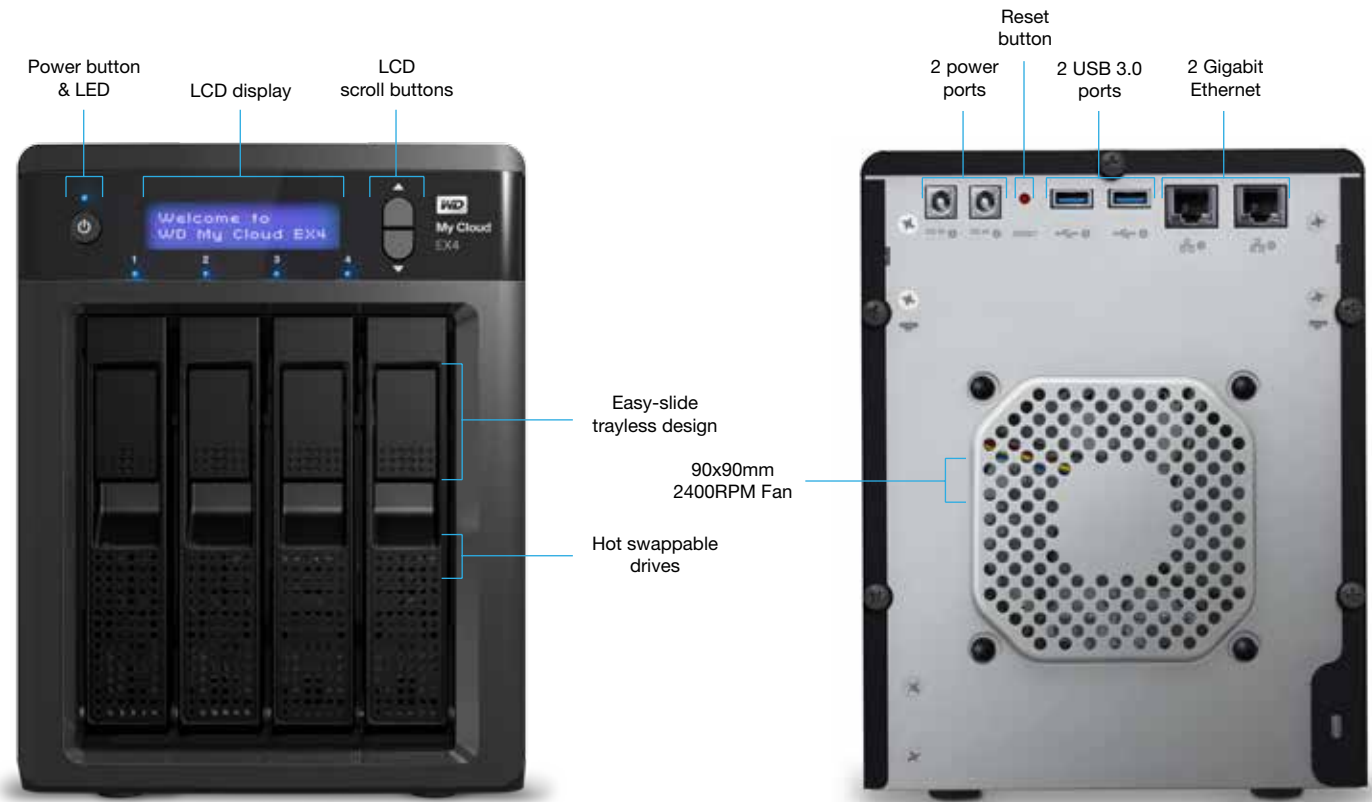
### Your own personal cloud

My Cloud EX4 allows you to keep all your content in one safe place at home or your office. No monthly fees. No limits.

### Advanced features

A full suite of advanced features to power your home or office including: iSCSI target, full-featured FTP services, link aggregation and failover support, jumbo frame support, IPv6 ready, UPS support (USB and network), real time resource monitor, volume encryption with boot-up password, SNMP and virtual volumes.

## Physical Features



Physical dimensions    Height: 8.21 in (208.6 mm)  
                                  Length: 8.67 in (220.2 mm)  
                                  Width: 6.30 in (160.1 mm)

Weight    0 TB: 7.2 lbs (3.3 kg)    12 TB: 12.8 lbs (5.8 kg)  
                  8 TB: 12.8 lbs (5.8 kg)    16 TB: 13.8 lbs (6.2 kg)

## Technical Specifications

Interface	Gigabit Ethernet x 2 Power supply (DC in) x 2 USB 3.0 expansion port x 2
Drive bays	4 x 3.5 inch hard drive bays, hot swap capable, tray-less design
Internal hard drives	WD Red NAS hard drives
Processor	2.0 GHz
Memory	512 MB DDR3
System requirements	Windows® 8, Windows 7, Windows Vista,® Windows XP (SP3) operating system Mac OS® X Mountain Lion,™ Lion,™ Snow Leopard® and Mavericks operating systems DLNA/UPnP devices for streaming Internet connection for remote access
Supported web browsers	Internet Explorer® 8.0 or higher Safari 6 or higher Firefox® 21 or higher Google Chrome™ 27 and later on supported Windows and Mac OS platforms
Network protocols	DHCP Client or Static IP NTP Client Dynamic DNS (DDNS) Apple Bonjour and Windows Rally Jumbo frame support VLAN (802.1Q) Link Aggregation(802.1ad)/ Ethernet teaming and failover for 2 Gigabit Ethernet ports UPnP port forwarding IPv6 iSCSI SSH

## Technical Specifications, cont.

Network file services	<p>OS Supports:</p> <ul style="list-style-type: none"> <li>• Windows XP Home/ Pro/ 64-bit SP3+</li> <li>• Windows Vista/ 7/ 8 (All versions)</li> <li>• Mac OS X 10.6, Lion, Mountain Lion</li> </ul> <p>CIFS/SMB for Windows, Mac OS X and Linux          NFSv3 for Linux and UNIX          AFP for Mac OS X          Microsoft® Distributed File System (DFS)          WebDAV Server</p>
Security	<p>Active Directory support for Windows Server 2003/ 2008/ 2012          Volume Encryption (256 bit AES)</p>
File system	<p>EXT4 for internal HDD          Support following formats for externally attached USB drives</p> <ul style="list-style-type: none"> <li>• FAT/FAT32</li> <li>• NTFS (read and write capability)</li> <li>• HFS+J (case sensitive)</li> <li>• Linux EXT2, EXT3, EXT4</li> </ul>
FTP server	<p>Support Port Setting          Set port range of passive FTP          Option to report external IP in PASV mode          Client language selection          Anonymous FTP          Secure FTP Support          Support File eXchange Protocol (FXP)          FTP bandwidth restriction (upstream/downstream)          IP address block (block access from undesired IP address)</p>
Download management	<p>HTTP downloads from a URL to a user specified folder on the NAS          FTP downloads of files or folders from an FTP server to another files/folders on the NAS          P2P Download Manager</p>
Disk management	<p>RAID: JBOD, spanning, 0/1/5 10/5 + hot spare support          RAID migration:</p> <ul style="list-style-type: none"> <li>• JBOD to RAID 1</li> <li>• JBOD to RAID 5</li> <li>• RAID 1 to RAID 5</li> </ul> <p>Hot swapping          Hot spare (in four disk mode)          Disk roaming          Array roaming</p>
Power management	<p>Drive Spin Up/Down (including Attached WD USB drives)          Automatic power recovery (with UPS)          Schedule power on/off          Graceful shutdown on UPS low battery          FAN Control          Network UPS          Wake On LAN</p>
Remote access	<p>My Cloud and WD Photos™ mobile apps          My Cloud desktop app          Web access</p>
User/Group management	<p>Max No. of Users: 512 for Samba, 800 for ADS          Max No. of User Groups: 64 for Samba, 200 for ADS          Max No. of Network Shares: Max No. of Network Shares: 128          Max concurrent CIFS connections: 10          User/Group assignment for network sharing/FTP          Quotas for groups or users          Assignment of users to multiple groups          Batch assignment of users to groups          Batch user creation          Importing users (CSV Delimited Format)          Importing groups (CSV Delimited Format)</p>
LCD panel	<p>2 lines of 16 characters for status and alerts</p>
Backup management	<p>Remote backups: My Cloud EX4 to My Cloud EX4 locally or remotely          Apple Time Machine (10.5.8+) support          Backup internal files or folders of the device to other files/folders on the NAS          Cloud-based backup services</p> <ul style="list-style-type: none"> <li>• Amazon S3</li> <li>• ElephantDrive (<a href="http://home.elephantdrive.com/">http://home.elephantdrive.com/</a>)</li> </ul> <p>Disk sync management for the attached USB ports</p>

## Technical Specifications, cont.

System management	<p>LCD display information:</p> <ul style="list-style-type: none"> <li>• IP Address of connected server (and friendly name)</li> <li>• Fan monitor</li> <li>• System temperature monitor</li> <li>• Disk monitor</li> <li>• Disk volume monitor</li> <li>• Ethernet plug monitor</li> <li>• Device uptime</li> <li>• Capacity remaining</li> <li>• Firmware version</li> </ul> <p>System status: Device Information</p> <ul style="list-style-type: none"> <li>• Capacity usage status for the external storage</li> <li>• File category breakdown of how much video, photo, music is stored</li> </ul> <p>Alert notifications</p> <ul style="list-style-type: none"> <li>• Event UI message</li> <li>• UI Alert (with message acknowledgment required)</li> <li>• Email notice</li> <li>• QuickView pop-up message</li> <li>• RED LED status</li> </ul> <p>Network Recycle</p> <ul style="list-style-type: none"> <li>• Support Windows CIFS</li> <li>• Support Apple AFP</li> </ul> <p>System/FTP Log (Syslog Client)</p> <p>HTTP/S (Web) Administration Interface (HTTP Server)</p> <p>Firmware upgrade</p> <p>Configuration backup and restore</p> <p>SNMPv2</p> <p>System Information</p> <ul style="list-style-type: none"> <li>• CPU percentage</li> <li>• RAM usage</li> <li>• Network performance in MB/s</li> </ul>				
USB port	<p>Support UPS monitoring</p> <p>Support External Storage device</p> <p>Support MTP (Media Transfer Protocol) and PTP (Picture Transfer Protocol)</p>				
Media streaming	<p>UPnP AV Media server (Twonky v7.2)</p> <p>DLNA 1.5 certification</p> <p>Support WD TV® Live™, Xbox® 360, PlayStation® 3, Windows 8, connected TVs, Blu-ray® players and digital picture frames</p> <p>iTunes® Server</p>				
Add-on support	<p>aMule - peer to peer file sharing application</p> <p>Icecast - media streaming app</p> <p>phpBB - Internet forum application</p> <p>Joomla! - content management system</p> <p>SqueezeCenter - streaming audio server</p> <p>phpMyAdmin - My SQL administration tool</p>		<p>WordPress - blogging tool and content management system</p> <p>Transmission - BitTorrent client</p> <p>NZBGet - NZB file download management software</p> <p>Git - revision control and source code management system</p> <p>For the latest information on third-party apps, visit <a href="http://wd.com/mycloud">wd.com/mycloud</a></p>		
iSCSI	<p>iSCSI Target</p> <ul style="list-style-type: none"> <li>• CHAP authentication</li> <li>• iSNS (Internet Storage Name Service)</li> <li>• Up to 64 iSCSI Targets</li> </ul> <p>Volume Virtualization: NAS can be configured as an iSCSI initiator and capable of mapping any iSCSI target of the other device to be one virtual volume.</p> <ul style="list-style-type: none"> <li>• Virtual Disk Drive (via iSCSI Initiator)</li> <li>• Max number of virtual disk drives supported is eight (8)</li> </ul>				
Power supply	<p>Input voltage: 100V to 240V AC</p> <p>Input frequency: 50 to 60 Hz</p> <p>Output voltage: 19V DC, up to 6.32A</p>				
Power measurements with WD Red drive configurations		No Drive	4 x 2 TB	4 x 3 TB	4 x 4 TB
	Power Off	358mW	357mW	360mW	358mW
	Standby Mode (AC power cord plug-in only)	2.3W	2.3W	2.3W	2.3W
	Idle	16.1W	33.5W	35.3W	35.8W
	Full Operation	N/A	37.8W	38.3W	38.5W
Temperature	<p>Operating Temperature: 0° C to 35° C ( 32° F to 95° F)</p> <p>Non-op Temperature: -40° C to 70° C (-40° F to 158° F)</p>				
Available capacities	0 TB, 8 TB, 12 TB, 16 TB				

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As used for storage capacity, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (Mb/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

