**ComX Computers**
Product Specification Sheet

# WDBWZE0000NBK-EESN

Western Digital My cloud EX4100 0Tb 4 Bay Network Attached Drive

## Product Overview

Western Digital My Cloud Expert Series EX4100 4 bay NAS 0TB1.6 GHz Marvell ARMADA 388 dual-core, Twonky DLNA-certified media server and iTunes support, RAID 0, 1, 5, 10 or JBOD, Dual USB 3.0 ports on the back panel, Volume encryption




## Specifications

**Overview:**

Save all your valuable photos, videos, music and files on this ready-to-go, high-performance NAS solution for secure access to them anytime, from anywhere. Protect your content with multiple backup options, customize your NAS with a full suite of apps and enjoy peace of mind knowing that we've put our best in it, so you can put your best on it.

**Features:**

**Centralize your media and content in one safe, organized place**
Whether you're a creative hobbyist, creative professional or have an impressive media collection, you will undoubtedly have loads of digital content to store. With My Cloud Expert Series NAS, you can easily centralize and protect your valuable content from all the PC and Mac computers on your network. Plus, access it anytime, from anywhere with tablets and smartphones.

**Get power that keeps up with your passion**
Powered by a strong Marvell® ARMADA® 388 1.6 GHz dual-core processor, My Cloud EX4100 gives you ultra-fast transfer speeds of 116 MB/s upload and 116 MB/s download to keep up with your high-performance needs. Now you can upload more content simultaneously, stream your HD media more smoothly, and enjoy your creative life with ease.

**Stream like a pro**
With the built-in Twonky DLNA-certified media server, you can seamlessly stream all your HD videos, photos and music stored on your My Cloud Expert Series NAS to media players, Smart TVs, gaming consoles and other DLNA-certified devices on your network. Or, use the Plex media server third-party app to organize your media collections and stream them to all of your screens.

**Safeguard your content with comprehensive data protection**
My Cloud EX4100 keeps your irreplaceable photos, videos and files safe with multiple data protection options to secure your content from unexpected loss. Protect all the PC and Mac computers on your network using local, remote or cloud backup.

Multiple RAID configurations and volume encryption add even more protection and security for all your files.

**Be up and running in minutes**
My Cloud EX4100 comes preconfigured to get you set up and on your way without any hassle. The intuitive dashboard guides you through the process of setting up users and shares, customizing system features and monitoring your storage. And with a toolless and trayless drive bay design, drive installation and hot swap is effortless.

**Built-in reliability for added peace of mind**
My Cloud Expert Series pre-configured NAS come populated with WD Red NAS hard drives. Ultra-reliable and purposely built for NAS systems, WD Red drives improve performance and thrive in 24x7 environments. WD's exclusive NASware™ technology further optimizes WD Red for the NAS environment. From vibration compensation, optimized power usage and protecting your content in the event of a power loss or disruption, the firmware is designed to give you improved reliability and system performance.

**Get enhanced media streaming and network redundancy**
Dual Gigabit Ethernet ports for link aggregation enhances network performance giving you the best possible HD media streaming experience. It also provides for network redundancy should one of your network connections fail.

**A power supply with a backup plan**
My Cloud EX4100 comes equipped with dual power ports offering you the option of adding a second external power supply that will take over should the first power supply fail, giving you uninterrupted access to your content.

**My Cloud OS - content management made simple**
WD's My Cloud OS delivers a suite of tools and apps that empower you to easily take control of the content that matters to you most. The intuitive, easy-to-use dashboard makes set up, managing storage and personalizing your NAS effortless. Our award-winning My Cloud app allows you to securely access and share your files from anywhere with computers, tablets and smartphones. And with popular third-party apps available for download, you are enabled to customize your NAS to best fit your needs.

**Automatically copy your external USB with the touch of a button**
With the built-in, one-touch copy button conveniently located on the front of the NAS, you can automatically copy all the photos, videos and music you have stored on an external USB or camera to the My Cloud EX4100, keeping all your media and files in one safe, central location.

**Save on energy automatically**
My Cloud EX4100 comes equipped with drive sleep mode, LCD and LED on/off and power scheduling capabilities to save power and runtime energy.

**Specifications:**

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| Specifications | |
|---|---|
| **Product Code** | WDBWZE0000NBK-EESN |
| **Interface** | Gigabit Ethernet x 2 |
| | Power supply (DC in) x 2 |
| | USB 3.0 expansion port x 2 rear |
| | USB 3.0 port with direct copy x 1 front |

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| **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** | Marvell ARMADA 388 1.6 GHz dual-core |
| **Memory** | 2 GB 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 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 up to 9K |
| | VLAN (802.1Q) |
| | Link Aggregation(802.1ad)/ Ethernet teaming and failover for 2 Gigabit Ethernet ports |
| | UPnP port forwarding |
| | IPv6 |
| | iSCSI |
| | SSH |
| **Network File Services** | OS Supports |
| | Windows XP Home/ Pro/ 64-bit SP3+ |
| | Windows Vista/ 7/ 8 (All versions) |
| | Mac OS X 10.6, Lion, Mountain Lion |
| | 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 |
| **Security** | Active Directory support for Windows Server |
| | Volume Encryption (256 bit AES) |

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| **File System** | EXT4 for internal HDD |
| | Support following formats for externally attached USB drives |
| | FAT/FAT32 |
| | NTFS (read and write capability) |
| | HFS+J (case sensitive) |
| | Linux EXT2, EXT3, EXT4 |
| **FTP Server** | 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) |
| **Download Management** | 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 |
| **Disk management** | RAID: JBOD, spanning, 0/1/5 10/5 + hot spare support |
| | RAID migration |
| | JBOD to RAID 1 |
| | JBOD to RAID 5 |
| | RAID 1 to RAID 5 |
| | Hot swapping |
| | Hot spare (in four disk mode) |
| | Disk roaming |
| | Array roaming |
| **Power Management** | 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 |
| **Remote Access** | My Cloud and WD Photos mobile app |
| | My Cloud desktop app |

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| **User/Group Management** | 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) |
| **LCD Panel** | 2 lines of 16 characters for status and alerts |
| **Backup management** | Remote backups: My Cloud Expert Series to My Cloud Expert Series 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 |
| | Amazon S3 |
| | ElephantDrive (http://home.elephantdrive.com/) |
| | Disk sync management for the attached USB ports |

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| **System Management** | LCD display information: |
| | IP Address of connected server (and friendly name) |
| | Fan monitor |
| | System temperature monitor |
| | Disk monitor |
| | Disk volume monitor |
| | Ethernet plug monitor |
| | Device uptime |
| | Capacity remaining |
| | Firmware version |
| | System status: Device Information |
| | Capacity usage status for the external storage |
| | File category breakdown of how much video, photo, music is stored |
| | Alert notifications |
| | Event UI message |
| | UI Alert (with message acknowledgment required) |
| | Email notice |
| | QuickView pop-up message |
| | RED LED status |
| | Network recycle |
| | Support Windows CIFS |
| | Support Apple AFP |
| | System/FTP Log (Syslog Client) |
| | HTTP/S (Web) Administration Interface (HTTP Server) |
| | Firmware upgrade |
| | Configuration backup and restore |
| | SNMPv2 |
| | System Information |
| | CPU percentage |
| | RAM usage |
| | Network performance in MB/s |
| **USB port** | Support UPS monitoring |
| | Support External Storage device |
| | Support MTP (Media Transfer Protocol) and PTP (Picture Transfer Protocol) |

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| **Media Streaming** | UPnP AV Media server (Twonky) |
| | DLNA certification |
| | Support WD TV Live, Xbox 360, PlayStation 3, Windows 8, connected TVs, Blu-ray players and digital picture frames |
| | iTunes Server |
| **Add-on support** | aMule - peer to peer file sharing application |
| | Icecast - media streaming app |
| | phpBB - Internet forum application |
| | Joomla! - content management system |
| | SqueezeCenter - streaming audio server |
| | phpMyAdmin - My SQL administration tool |
| | WordPress - blogging tool and content management system |
| | Transmission - BitTorrent client |
| **iSCSI** | iSCSI Target |
| | CHAP authentication |
| | iSNS (Internet Storage Name Service ) |
| | Up to 64 iSCSI Targets |
| | 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. |
| | Virtual Disk Drive (via iSCSI Initiator) |
| | Max number of virtual disk drives supported is eight (8) |
| **Power Supply** | Input voltage: 100V to 240V AC |
| | Input frequency: 50 to 60 Hz |
| | Output voltage: 19V DC, up to 6.32A |
| **Temperature** | Operating Temperature: 0 degrees C to 35 degrees C ( 32 degrees F to 95 degrees F) |
| | Non-op Temperature: -40 degrees C to 70 degrees C (-40 degrees F to 158 degrees F) |
| **Package Contents** | NAS |
| | Ethernet cable |
| | Power supply and cable |
| | Quick Install Guide |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:**
**https://www.comx-computers.co.za/WDBWZE0000NBK-EESN-Western-Digital-My-cloud-EX4100-0Tb-4-Bay-Network-Attached-Drive-p-128092.php**

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