

ULTRA HIGH PERFORMANCE

12-BAY ENTERPRISE-CLASS NETWORK & ISCSI STORAGE



TeraStation 7120r Enterprise offers high performance, enterprise-class 12-drive network and iSCSI storage packed with advanced features and functions, ideal for businesses looking to implement a reliable RAID-based network storage solution for large networks and business critical applications. Featuring the powerful Intel® Xeon® E3-1275 quad core processor and 8GB DDR3 RAM and enterprise-class hard drives, TeraStation 7120r Enterprise provides exceptional performance and runs many services simultaneously with minimal performance degradation: experience maximum network throughput while replication and backup jobs run in the background. TeraStation 7120r Enterprise is packed with business-class features such as Active Directory support, disk quota support, share level replication, quad gigabit Ethernet ports supporting link aggregation up to 4 Gbps, hot-swap hard drives, iSCSI targeting and add-on PCI-Express card support.

FEATURES

PRODUCT HIGHLIGHTS

- Intel® Xeon® E3-1275 processor
- 12-bay 2U rack mount
- 12 enterprise-class SATA hard drives
- 8 GB DDR3
- Sandy Bridge
- Quad gigabit Ethernet
- Redundant hot plug PSUs and fans
- 2 PCI Express expansion slots
- Active Directory integration
- Simultaneous NAS and iSCSI target functionality
- Works with Hyper-V®, VMware® and Citrix® software
- Share quota support
- Hot-swap hard drives
- Multiple levels of RAID support
- 10 licenses of NovaBACKUP® Business Essentials v12 for servers and PCs
- USB accessory support

HIGH PERFORMANCE

TeraStation 7120r Enterprise features 12 enterprise-class hard drives and the Intel Xeon E3-1275 processor, providing exceptional performance during file transfers and everyday NAS functions.

- Quad core, 8 threads
- 8 MB cache, 3.40 GHz

RELIABLE AND SECURE

TeraStation 7120r Enterprise offers high capacity, highly available storage accessible among multiple platforms for seamless centralized storage and backup. Create user and group profiles and control folder and file access to protect business critical content and privacy. Support for multiple levels of RAID provides continuous data protection and increased fault tolerance and data availability.

DATA PROTECTION AND BACKUP

TeraStation 7120r Enterprise features Buffalo's replication technology providing real-time synchronous replication of data for easy, continuous data protection in the event of data loss.

TeraStation 7120r Enterprise is bundled with 10 licenses of NovaBACKUP® Business Essentials, providing a complete, all-in-one data protection solution for PCs, storage servers, Exchange servers and SQL databases.

REMOTE FILE ACCESS

TeraStation 7120r Enterprise offers multiple ways to remotely access and share your important data for enhanced collaboration and productivity. With WebAccess and FTP/SFTP servers, you can securely access and share files with anyone outside the local network. Trusted recipients can access selected files from anywhere over the Internet, and with WebAccess files can also be accessed remotely from tablet and smartphone devices.

STORAGE VIRTUALIZATION

Configure TeraStation 7120r Enterprise as an iSCSI target to add affordable virtualized storage to your business network. Storage virtualization serves to decrease IT spending by maximizing the resources offered by modern servers while providing affordable server scalability and reliability. A virtualized environment removes a significant amount of server dependence, shifting the burden to the storage devices.

TERASTATION NAS SYSTEM

TeraStation 7120r Enterprise runs on Buffalo's TeraStation NAS System providing a host of business-class features from network file sharing and security to RAID management, remote access and more. Managing data, backups and data sharing in a production environment or larger business is made easy with this NAS operating system. Included on all Buffalo TeraStation devices, TeraStation NAS System simplifies your everyday data needs.

MODELS

TS-2RZH48T12D(48TB) / TS-2RZH36T12D(36TB) / TS-2RZH24T12D(24TB)

SPECIFICATIONSLAN INTERFACE

Standard Compliance: IEEE802.3/IEEE802.3u/IEEE802.3ab
 Data Transfer Rates: 10/100/1000 Mbps (Auto Sensing)
 Connector Type: RJ-45
 Number of Ports: 4

INTERNAL HARD DRIVES

Number of Drives: 12
 Hard Drive Capacities: 2 TB / 3TB / 4TB
 Total Capacity: 24 TB / 36TB / 48TB
 Drive Interface: SATA 6 Gbps
 Supported RAID Levels: RAID 0/1/5/6/10/51/61/JBOD
 (Individual Disks)

USB INTERFACE

Interface: USB 2.0
 Number of Ports: 6 Type A
 Data Transfer Rates: 480 Mbps (USB 2.0)
 Expansion Slots: PCI-Express x8 slot x 1
 PCI-Express x4 slot x 1

PROTOCOL SUPPORT

Networking: TCP/IP
 File Sharing: CIFS/SMB, AFP, HTTP/HTTPS,
 FTP/SFTP/FTPS, NFS
 Directory Integration: LDAP, Active Directory
 Management: HTTP/HTTPS
 Time Synchronization: NTP

BOX CONTENTS

TeraStation 7120r Enterprise (TS-2RZHD), Setup CD-ROM, Ethernet Cable, AC Cable (2), 4-Post Rackmount Rails, Quick Setup Guide, Warranty Statement

OTHER

Power Consumption: 250 W (Maximum)
 Dimensions (LxWxH): 480 x 88 x 736 mm
 Weight: 25 kg
 Operating Environment: Temperature: 5-35°C,
 Humidity: 20-80% (non-condensing)
 Power Supply: Internal AC 100-240V Universal,
 50/60 Hz
 Setup Utility OS Support: Windows[®] Operating Systems
 Client OS Support: Windows[®] 8 (32-bit/64-bit),
 Windows[®] 7 (32-bit/64-bit),
 Windows Vista[®] (32-bit/64-bit),
 Windows[®] XP, Windows[®] 2000,
 Windows Server[®] 2008,
 Windows Server[®] 2003,
 Windows[®] 2000 Server,
 Mac OS[®] X 10.4-10.7
 (in evaluating)
 Windows Server[®] 2012,
 Mac OS[®] X 10.8

REPLACEMENT PARTS & ACCESSORIES

Enterprise HDDs: ST2000NM0011, WD2003FYYS
 Buffalo HDD: OP-HD2.0ZH
 Replacement Fan: OP-FAN-2RZ
 Power Supply: OP-PU-2RZ
 PCI-Express Cards: IFC-PCIE2U3, IFC-PCIE2U3S2
 PCI-E 10GbE Adapters: Emulex: OCe11102-N, OCe11102-I,
 OCe11102-F
 Intel:X540T2, E10G42BTDA, E10G41BFSR,
 E10G42BFSR, E10G41AT2

Data rate, features and performance may vary based on the configuration of your system and other factors.

1 TB= 1,000,000,000 Bytes. Actual data throughput and range will vary depending upon network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead.

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