

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 3.4 GHz Intel® Xeon® processor E3-1275 and 8 GB of upgradeable 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® processor E3-1275 (3.40 GHz quad-core)
- 8 GB DDR3 RAM (Scalable to 16 GB)
- 12-bay 2U rack mount
- 12 enterprise-class SATA hard drives
- Sandy Bridge
- Buffalo Surveillance Video Manager 1 license)
- Quad Intel NICs
- 10 GigE NIC Support
- 6 USB 2.0 ports
- Redundant hot plug PSUs and fans
- 2 PCI-Express expansion slots
- Hot-swap SATA hard drives
- Hot spare
- RAID 0/1/5/6/10/51/61/JBOD (Individual Disks)
- Active Directory support
- DFS Namespace support
- Share quota support
- Real-time replication to other TeraStation devices
- Simultaneous NAS and iSCSI target functionality
- Failover Support
- VMware® Certified and works with Hyper-V® and Citrix® software
- Remote file access via WebAccess and FTP/SFTP
- Sliding rail kit included (4-post)
- 10 licenses of NovaBACKUP Business Essentials v14 (SQL and Exchange backup agents)

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.

SURVEILLANCE VIDEO MANAGEMENT

TeraStation 7120r Enterprise offers a video surveillance asset management platform that allows you to record high quality video and store and manage it for easy access and playback. Surveillance Video Manager provides advanced features and helps you manage and store camera feeds, enabling playback of live and stored video with support for any RTSP IP-based video camera.

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 v14, providing a complete, all-in-one data protection solution for PCs, storage servers, Exchange servers and SQL databases.

HIGH PERFORMANCE

TeraStation 7120r Enterprise features 12 enterprise-class hard drives 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

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.

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.



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-2RZH24T12D, TS-2RZH36T12D, TS-2RZH48T12D

BOX CONTENTS

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

SPECIFICATIONS

LAN 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 x 3.5" HDD
Hard Drive Capacities: 2 TB, 3 TB, 4 TB
Total Capacity: 24 TB, 36 TB, 48 TB
Drive Interface: SATA II/III 3 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

OTHER

Power Consumption: 250W (Maximum)
Dimensions (LxWxH): 29 x 18.9 x 3.46 in
Weight: 60.4 lbs
Operating Environment: 41-104°F (5-40°C), 20-80% (non-condensing)
Power Supply: Internal AC 100-240V Universal, 50/60Hz
Setup Utility OS Support: Windows® Operating Systems
Client OS Support: Windows® 8 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows® 7 Professional (64-bit), Windows Vista® (32-bit/64-bit), Windows® XP, Windows® 2000, Windows Server® 2008, Windows Server® 2008 R2, Windows Server® 2003, Windows® 2000 Server, Mac OS® X 10.5 - 10.9

REPLACEMENT PARTS & ACCESSORIES

Enterprise HDDs: 2 TB: ST2000NM0011, WD2003FYYS, OP-HD2.0ZH-3Y
3 TB: HUS724030ALA640, OP-HD3.0ZH-3Y
4 TB: HUS724040ALA640, OP-HD4.0ZH-3Y
Memory: OP-MEM-8GX2
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

5-Year Enhanced Warranty: EWNBD01

UPS RECOMMENDATION

APC Smart series UPS models
• Smart-UPS 1500VA or greater • Smart-UPS On-Line 1500VA or greater
Buffalo recommends a minimum of 20 minutes of run time or greater.

24/7 TECH SUPPORT | 3 YEAR WARRANTY

(866) 752-6210 | USA & Canada Only

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.

©2013 BUFFALO INC. All rights reserved. BUFFALO and BUFFALO logo are either trademarks or registered trademarks of MELCO HOLDINGS INC. TeraStation is a trademarks of BUFFALO INC. Microsoft Windows, Windows Vista and Windows logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Mac OS is a trademark of Apple Inc., registered in the U.S. and other countries. The names and logos of other companies mentioned herein belong to their respective owners.