TeraStation™ 7000

Network Attached Storage

BUFFALO™

Buffalo's TeraStation™ 7120r / 7120r Enterprise offer high performance, 12-bay network and iSCSI storage packed with advanced features and functions including IP camera and video surveillance support. TeraStation™ 7120r / 7120r Enterprise are 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® E3-1225 / E3-1275 quad core processor and up to 8 GB of upgradable DDR3 RAM, both TeraStations provide exceptional performance and run many services simultaneously with minimal performance degradation – experience maximum network throughput while replication and backup tasks run in the background.

TeraStation™ 7120r / 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, iSCSI targeting, Active Directory support, disk quota support, share level replication, quad gigabit Ethernet ports, hot-swap hard drives and fans, an add-on PCI Express card support for remote access, and more.
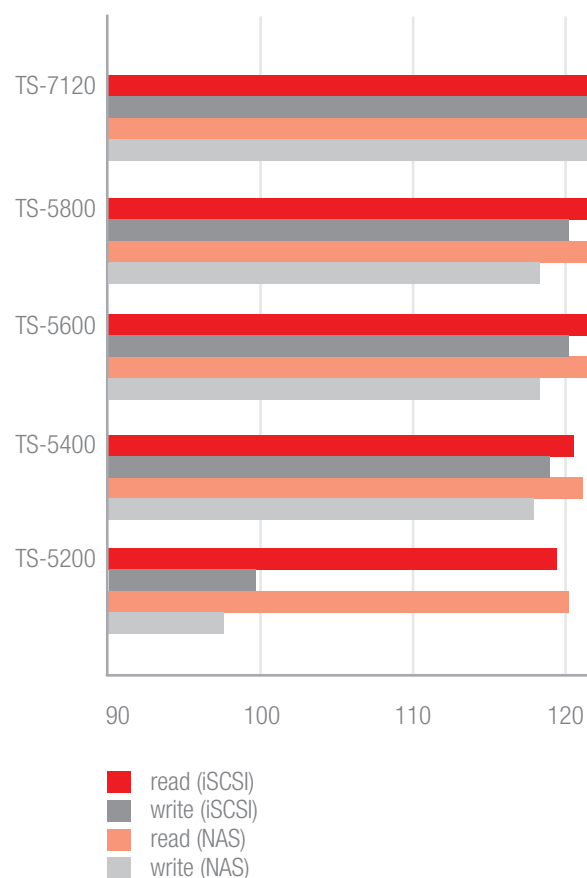
Managing data, backups, and data sharing in a production environment or larger business is made easy with this NAS operating system. Included on all Buffalo TeraStation™ devices, TeraStation™ NAS System simplifies your everyday data needs.

TS7120r / TS7120r Enterprise

Features and Benefits

- Powered by a high performance quad-core Intel® Xeon® E3-1225 or E3-1275 processor
- 12 bays in a 2U platform, enterprise-class SATA hard drives, and as much as 36 TB storage capacities
- Up to 8 GB of fast DDR3 memory
- Available with 7200 RPM Server Class HDD or nearline HDD (TeraStation™ 7120r Enterprise)
- Simultaneous NAS and iSCSI target functionality
- IP camera and video surveillance support including 1 free camera license.
- Remote file access via Buffalo WebAccess and FTP/SFTP
- Designed for 24/7 operation with two independent power supplies offering redundant power, hot swappable HDD, and redundant hot swappable fans
- Faster and easier-to-use new user interface
- Comes ready-to-use with a rail kit included in the box
- Packed with rich backup features including:
  - 10 licenses of NovaBACKUP® Business Essentials v14 for servers and PCs
  - New Buffalo Media Cartridge: Removable and replaceable HDD functions like a tape backup drive
  - Scheduled or real-time replication to other TeraStation™ devices
- VMware® Certified and works with Hyper-V® and Citrix® software
- 6 USB 2.0 Ports
- 2 PCI-Express expansion slots
- 3 year manufacturer's warranty, tested and certified in Japan

Legend:
- read (iSCSI)
- write (iSCSI)
- read (NAS)
- write (NAS)

Test environment: N-Tec Rackmount Server Windows Server 2008R2, Dual XEON 32 GB RAM, 2 x IntelPRO/1000Dual = 4 x Gigabit NIC; Cisco SG300-10P 10 Port managed Gigabit with PoE.

Specifications

Hardware	
System	
TS7120r	
CPU	Intel® Xeon® E3-1225 (3.1GHz)
Number of Cores	4, Core, 4 Threads
Memory	4GB DDR3 ECC (2x2)
TS7120r Enterprise	
CPU	Intel® Xeon® E3-1275 (3.4GHz)
Number of Cores	4, Core, 8 Threads
Memory	8GB DDR3 ECC (2x4)
TS7120r/TS7120r Enterprise	
HDD Controller Interface	SATA 6Gb/s
PCIe Interface	1x8 and 1x4 for optional adapters
Supported Adapters for PCIe	10Gb NIC Intel + Emulex OneConnect™ OCe11102- (NX/NM/NT), IFC-PCIE2U3S2 USB 3.0 adapter, transcoder engine
Internal Hard Drives	
Supported Capacities	1, 2, 3, 4 TB
Number of Bays	12
Interfaces	
LAN interface	
Connector Type	RJ-45
Number of Ports	4
Data Transfer Rates	10/100/1000 Mbps
USB Interface	
Standard Compliance	USB 2.0
Connector Type	USB type A
Number of Ports	6 x USB 2.0 (front x 2)
Data Transfer Rates	480 Mbps
Serial port	
Connector Type	D-SUB 9pin
Number of Ports	1
Other	
Dimensions	736 x 480 x 88mm
Weight	20kg/ Enterprise 25kg
Operating Environment	5-35°C, 20-80% (non-condensing)
Power Consumption	Max. 250W
Power Supply	Internal, 2 x (Redundant) AC 100-240V 50/60 Hz
UPS	UPS with Smart commands
Software	
System	
Raid Support	0, 1, 5, 6, 10, 50, 51, 60, 61 & JBOD - depends on drive count
Hot Spare	Have a spare drive if a RAID fails
Hot Swap	Change drives in redundant RAID without down time
SoleraTec™ Phoenix RSM™ Video	1 free camera license, more can be added
Surveillance Management Software	Manages storage pool and camera pool, supports cameras from 184 vendors and manual settings for RTSP
DFS	DFS name space support
User Quota	Space limitation for users/groups
iSCSI	Simultaneous NAS and iSCSI target functionality
LVM	Logical Volume Manager - up to 256 volumes
Protocol Support	
Networking	TCP/IP
File Sharing	CIFS/SMB, AFP, HTTP/HTTPS, FTP/SFTP, NFS
AD Integration	LDAP
Monitoring	SNMP
Management	HTTP/HTTPS
Time synchronisation	NTP
Camera	RTSP

Product Numbers

TS-2RZS08T04D
TS-2RZS12T04D
TS-2RZH24T12D (Enterprise model)

3 YEAR WARRANTY

About Buffalo

Buffalo Technology is a leading global provider of award-winning storage, networking, memory, and multimedia solutions for the home and small business environments as well as for system builders and integrators. With more than three decades of networking and computer peripheral experience, Buffalo has proven its commitment to delivering innovative solutions that have put the company at the forefront of infrastructure technology.

120429

Specifications

Backup	
Cloud Storage	Amazon S3 support for folder synchronisation
Failover	Failover solution with other Buffalo NAS
Replication	Syncronise folders on 2 TeraStations
Backup	Built-in backup to USB storage or other Buffalo NAS based on rsync, version management
Time Machine®	Time Machine® target for multiple clients
Remote Access	
Web UI	HTTP/HTTPS
FTP Server	FTP/SFTP
Webaccess	Webaccess as convenient solution for file access, also available for smartphones and tablets
Other	
Other	DLNA™ Media Server, iTunes® Server, Print server, Bit Torrent™ client, power schedule, web server, MySQL email notification, exchangable backup HDD (Media Cartridge format), Vmware ready
Bundled Software	
NovaBACKUP® Business Essentials	Professional Backup software for Windows® clients and servers
Buffalo NAS Navigator	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 - 10.8

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