BUFFALO™

TeraStation™ 71210RH Series

AN EVOLUTION IN ENTERPRISE NETWORK STORAGE

Buffalo's TS71210RH is a powerful 12-bay rackmount network-attached storage (NAS) product that marks an evolution in enterprise-level data storage solutions. TS71210RH features an Intel® Xeon® quad-core processor, enterprise-grade CMR hard drives (up to 240TB total capacity), and 4 native 10GbE ports to enable a versatile and powerful data storage solution with high throughput to handle data-intensive IT environments.

Buffalo knows you need a flexible but secure storage solution to safeguard your data, which is why the TS71210RH comes with RAM expansion, along with two PCIe slots so you can enable SSD caching and attach high-speed SFP+ or QSFP network adapters to scale NAS performance as your business grows.

Optimized for data protection, the TS71210RH comes with robust security features that runs on a closed system and comes with the cutting-edge Btrfs file system for stability and snapshots for near-instantaneous data backup and recovery, as well as ransomware mitigation.

With iSCSI backup and expansion, virtualization, and cloud support including Amazon S3 and Wasabi, the TS71210RH can be seamlessly integrated into any IT environment as a dynamic storage and backup solution.

Product Highlights

- **Hard Drives Included**
  Available partially- or fully-populated with pre-tested, enterprise-grade CMR hard drives

- **Powerful Performance**
  Enterprise-level server performance with SSD caching to enable a powerful platform for both active storage and reliable backup

- **High Throughput**
  Four native 10GbE ports with SFP+/QSFP network card support for optimized bandwidth

- **High Scalability**
  Expandable capacity and RAM, along with SSD caching to meet your current and future needs

- **Robust Data Protection**
  Acclaimed features such as a closed system, snapshots and Btrfs file system, MFA, drive encryption, and more

- **Warranty/Support**
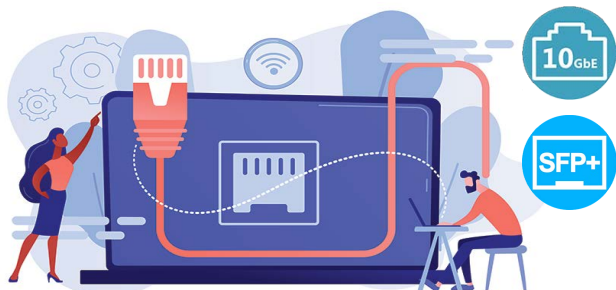 5-year product warranty and US-based 24/7 support

Winner of CRN's 2023 Product of the Year in the SMB Storage Category!

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High-Performance Active Storage

TS71210RH delivers enterprise-level server performance and a dynamic and stable platform for data-intensive IT environments. Designed to handle high workloads, the TS71210RH solution can act as production data storage, large-scale data storage and backup, mission-critical file server, and more.
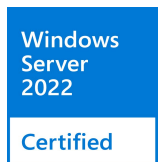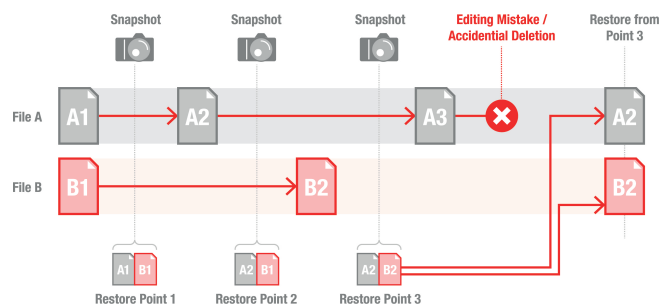
High Throughput to Accelerate Productivity

With 4 native 10GbE ports, TS71210RH provides high bandwidth for blazing fast transfer speeds to accelerate any modern IT environment. Optimize data operations with efficient file sharing for collaboration, virtualization solutions, and fast data backup/recovery without missing a beat.

Snapshots for Effortless Data Backup/Recovery

The TS71210RH includes the cutting-edge Btrfs file system and snapshots so you can have effortless short-term data backup and recovery at near-instantaneous speed. Snapshots allow you to recover single files or an entire storage volume at granulated timelines, allowing you to quickly and reliably mitigate ransomware and safeguard against file errors.

Leverage Virtualization to Improve Operations

Enable fast deployment and integration into Microsoft and VMware virtual environments, and improve working efficiency with increased virtual application performance and greater flexibility in storage capacity planning and allocation. You can also back up virtual machines to the TS71210RH to protect your data from hardware failure.

PCIe Expansion for Enhanced Performance

The TS71210RH offers PCIe expansion so it can evolve with your storage needs. SSD caching can improve access speed and stability to boost virtualization applications, iSCSI expansion, and other operations. You can also connect SFP+/QSFP network cards to further accelerate your network performance.

MODELS

	TS71210 (Partially-Populated)		TS71210 (Fully-Populated)	
Part Numbers	TS71210RH3204	8TB x 4	TS71210RH9612	8TB x 12
	TS71210RH4804	12TB x 4	TS71210RH14412	12TB x 12
	TS71210RH6404	16TB x 4	TS71210RH19212	16TB x 12
	TS71210RH8004	20TB x 4	TS71210RH24012	20TB x 12
Form Factor	Rackmount		Rackmount	

INTERNAL HARD DRIVES

Hard Drive Type	Enterprise Grade	Enterprise Grade
Number of Included Drives	4	12
Capacity Range	32, 48, 64, 80TB	96, 144, 192, 240TB
Supported RAID	0 / 1 / 5 / 6 / 10 / JBOD (Individual Disks)	0 / 1 / 5 / 6 / 10 / JBOD (Individual Disks)

PERFORMANCE

CPU	Intel® Xeon® D-1713NT 2.2GHz Quad-core (Turbo Boost up to 3.5GHz)	Intel® Xeon® D-1713NT 2.2GHz Quad-core (Turbo Boost up to 3.5GHz)
Memory	DDR4 16GB ECC	DDR4 16GB ECC
Memory Expansion	Expandable up to 64GB (16GB x 4)	Expandable up to 64GB (16GB x 4)
File System	Btrfs	Btrfs

EXPANSION OPTIONS

PCIe Expansion Ports	2x PCIe Gen 4x8	2x PCIe Gen 4x8
SSD Caching	Yes	Yes
10GbE (SFP+)	Yes	Yes
25GbE (SFP28)	Yes	Yes
40GbE (QSFP)	Yes	Yes

ENVIRONMENTAL & POWER

Power Consumption	Max 500W	Max 500W
	Data Transfer 251W	Data Transfer 251W
	Idling 238W	Idling 238W
Power Supply	Internal AC 100-240V	Internal AC 100-240V
	Universal 50/60Hz	Universal 50/60Hz
Power Cable	NEMA 5-15, NEMA C13/C14	NEMA 5-15, NEMA C13/C14
Redundant Power Supply	Yes (Included)	Yes (Included)

SHIPPING

Product Dimensions (L x W x H)	29.0 x 18.9 x 3.5 in	29.0 x 18.9 x 3.5 in
Product Weight	41.7 lbs	54.2 lbs

LAN/USB

Number of LAN Ports	4 (10GBASE-T)
Data Transfer Rates	10Gbps / 1000Mbps / 100 Mbps / 10Mbps
Supported Protocols	TCP/IP
Network File Services	CIFS/SMB, AFP, FTP/FTPS/SFTP, NFS
Connector Type	RJ-45
Number of USB Ports	4 (2x USB 3.2 Gen 1, 2x USB 2.0)
USB Port Type	Type-A

WARRANTY

5 years with Next Business Day Services on all components, including hard drives (with product registration)

CLIENT OS SUPPORT

Windows® 11, Windows® 10, Windows® 8.1 (32-bit/64-bit)
Windows Server® 2022, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012,
Windows Server® 2012R macOS® 10.13 or later

ACCESSORIES

Compatible Hard Drives	OP-HDHU2 Series
	OP-NVSSD-512G, OP-NVSSD-2.0T (For SSD Caching)
Compatible Memory Modules	OP-ECCMEM-16G

TeraStation™ 71210RH Series

FIPS 140 VALIDATED

MADE IN JAPAN

TAA Compliant