TeraStation™ 5010

Network Attached Storage

BUFFALO™

High performance, reliable storage with built-in 10GbE ports

Buffalo's TeraStation™ 5010 series has been built for small and medium sized businesses seeking an easy and cost-effective 10GbE platform. The TS5010 is a network attached storage (NAS) solution with iSCSI protocol designed to move SMB data at enterprise level speeds and eliminate the bottlenecks that can occur on slower networks.

The TS5010 series is designed to run multiple concurrent services seamlessly with minimal performance degradation, and is ideal for organizations looking to add an affordable virtualized storage to their business network. Branch offices no longer need full-scale server infrastructure for simple tasks such as file sharing and backup.

The combination of the TS5010 and Buffalo's 10GbE compatible series of business switches creates faster than ever data transfer speeds. The series comes populated with NAS-grade HDD and features quad-core processors. Available are 2- or 4-bay desktop and 4- or 12-bay rackmount configurations.

The 12-bay TS51210RH model is available in partially-populated units with 8 or 16 TB, and fully-populated units with 24, 48 or 96 TB. Partially populated models are ideal for users needing a small start with less initial investment. The TS51210RH also features 8GB of memory and nearline HDD for even better performance and realiability in an 'always-on' RAID environment.

The 2-bay TS5210DF takes a special position within the TS5010 series as it is equipped with SSD and therefore highly shock-/vibration-proof and extremely fast. Available with either 512 GB or 2 TB total capacity the TS5210DF is designed for use in vibration-prone sites such as vehicles or for server backups, video editing or other scenarios demanding blazing transfer speeds.

Features and Benefits

- High-speed native 10GbE connection (1 or 2 (TS51210RH only) 10GbE ports)
- 2.5/5Gbps compatible, compliant with NBASE-T (IEEE 802.3bz) standard
- Powered by the high performance Annapurna Labs® Quad-Core processor
- 4GB / 8GB (TS51210RH) DDR3 ECC RAM
- Available in 2-bay and 4-bay desktop models or 4-bay and 12-bay rackmount
- Simultaneous NAS and iSCSI target functionality
- Advanced NTFS Permissions (Windows ACL)
- VMware certified
- Rapid RAID mode change
- RMM (RAID Mode Manager)
- TRIM Command for increased SSD life time (TS5210DF)
- AES 256bit data encryption
- Boot Authentication ensures the device is only accessible on authorized networks
- Data replication protection, Rsync compatible
- Integrated cloud backup with Dropbox, Dropbox Business and Amazon S3; remote access through WebAccess
- NovaStor backup software that provides server and workstation licensing
- Reduced system downtime with Duplex Firmware
- Active Directory (up to 10.000 supported users/groups imported from the domain

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Specifications

Models	TS5210DF (2-bay)	TS5210DN (2-bay)	TS5410DN (4-bay)	TS5410RN (4-bay)	TS51210RH (12-bay)
Part Numbers	TS5210DF00502-EU TS5210DF0202-EU	TS5210DN0402-EU TS5210DN0602-EU TS5210DN0802-EU TS5210DN1202-EU TS5210DN1602-EU	TS5410DN0804-EU TS5410DN1204-EU TS5410DN1604-EU TS5410DN2404-EU TS5410DN3204-EU	TS5410RN0804-EU TS5410RN1204-EU TS5410RN1604-EU TS5410RN2404-EU TS5410RN3204-EU	TS51210RH0804-EU TS51210RH1604-EU TS51210RH2412-EU TS51210RH4812-EU TS51210RH9612-EU
Configuration	Desktop	Desktop	Desktop	Rackmount 19" 1U	Rackmount 19" 2U
Total Capacities	512 GB, 2 TB	4, 6, 8, 12, 16 TB	8, 12, 16, 24, 32 TB		8, 16, 24, 48, 96 TB
Anti-Vibration	10-150Hz 6G				
Internal Hard Drives					
Type	SSD	NAS HDD			Nearline HDD
Number of Drives	2	2	4	4	12 (fully populated) 4 (partially populated)
Capacities	256 GB, 1 TB	2, 3, 4, 6, 8 TB			2, 4, 8 TB
Drive Interface	SATA 6 Gbps				
Supported RAID	JBOD/0/1	JBOD/0/1/5/6/10			
USB Interface					
Standard Compliance	USB 2.0/3.0				
Connector Type	A type				
Number of Ports	2 x USB 3.0			3 x USB 3.0	2 x USB 2.0, 2 x USB 3.0
Data Transfer Rates	480 Mbps / 5 Gbps				
System / Performance					
CPU	Annapurna Labs® Alpine Processor AL314 (1.7 GHz Quad-Core)				
RAM	4 GB DDR3 with ECC				8 GB DDR3 with ECC
Environmental & Power					
Power Unit	1	1	1	1	1 (2nd optional)
Power Consumption	Max. 85 W; average active: 30 W; average idle: 15 W; standby: 8 W	Max. 85 W; average active: 45 W; average idle: 32 W; standby: 8 W	Max. 85 W; average active: 56 W; average idle: 45 W; standby: 8 W	Max. 100 W; average active: 60 W; average idle: 46 W; standby: 7 W	Max. 500 W; average active: 122 W; average idle: 100 W; standby: 3,9 W
Power Supply	Internal AC 100-240V, Universal 50/60Hz				
Operating Temperature	0˚ - 40˚C				
Operating Humidity	10 - 85% non-condensing				
Shipping					
Dimensions (WxHxD)	170 x 170 x 230 mm	170 x 170 x 230 mm	170 x 215 x 230 mm	430 x 44.3 x 430 mm	481 x 88 x 736.9 mm
Weight	3.5 kg	4.8 kg	7 kg	8.4 kg	20 kg (main unit with 4 HDDs) 25 kg (main unit with 12 HDDs)
LAN Interface					
Standards Compliance	(10BASE-T) IEEE802.3, (100BASE-TX) IEEE802.3u, (1000BASE-T) IEEE802.3ab, (10GBASE-T) IEEE802.3an, (NBASE-T) IEEE802.3bz				
Number of Ports	1 (10GBASE-T), 2 (1GBASE-T)				2 x 10GBASE-T, 2 x 1GBASE-T
Data Transfer Rates	10/100/1000 Mbps / 2.5/5/10 Gbps				
Supported Protocols	TCP/IP				
Network File Services	CIFS/SMB, AFP, FTP, SFTP, NFS, SNMP				
Connector Type	RJ-45				
Other					
Client OS Support	Windows® 10, Windows® 8.1, Windows® 7, Windows Server® 2016, Windows Server® 2012 R2, Windows Server® 2012, Windows Server® 2008, Mac® OS® X 10.9 or later				
Included Software	NAS Navigator 2, NovaBACKUP® Buffalo Edition (one server and ten workstation licenses)				
Box Contents	TeraStation™, Quick Setup Guide, Cat 6a Ethernet Cable, AC Cable, Front Panel Key and Warranty Statement			TeraStation™, Quick Setup Guide, 6a Ethernet Cable, Rail Kit with Mounting Brackets and Screws, AC Cable and Warranty Statement	
Accessories					
Compatible Hard Drives	OP-SSD256G, OP-SSD1.0	OP-HD2.0N, OP-HD3.0N, OP-HD4.0N, OP-HD6.0N, OP-HD8.0N			OP-HD2.0H2U, OP-HD4.0H2U, OP-HD8.0H2U
Redundant Power Unit					OP-PU-10R2U