



# TeraStation™ 5010 Series

TS5210DN, TS5410DN, TS5410RN, TS5810DN, TS51210RH



## HIGH PERFORMANCE BUSINESS CLASS SCALABLE STORAGE SOLUTION

TeraStation 5010 is a business-class network attached storage (NAS) including hard drives\* featuring high performance processing power, and native 10GbE support. Accelerate speed and overall performance with business class processing power supporting 100 concurrent sessions with sustained performance even during heavy-load operations.

TeraStation 5810DN is an eight bay desktop system featuring a native 10GbE port. Base models ship with NAS-grade hard drives allowing future scalability. Users with defined storage needs can order fully populated models with eight NAS-grade hard drives up to 64TB of storage capacity.

TeraStation 51210RH is a 2U rackmount system offering scalability. Base models ship with four enterprise-class hard drives allowing users to meet future storage demands by simply adding additional hard drives. Users with defined storage needs have the ability to select fully populated systems with twelve enterprise-class hard drives included up to 96TB total storage capacity. TeraStation 51210RH includes dual 10GbE ports and a rail kit for easy deployment.



## AT BUFFALO, WE'RE ALWAYS ON

At Buffalo, we work hard to make sure peace of mind is included with all Buffalo products. This starts with products are reliable, easy to deploy and supported after the sale. Our 24/7 North American-based team is on hand to help identify solutions that are the right fit for your business. Once your product is deployed our team is available to resolve any questions or issues.

### Strong Performance

- Premium grade components (NAS & Enterprise-grade hard drives)
- Up to 2 native 10GbE ports\*
- VMware certified (iSCSI & NFS certifications)
- Quad-core Annapurna processor

### Enhanced Security and Reliability

- 256-bit AES encryption
- Premium metal chassis with Kensington security slot and front panel lock\*
- Boot Authentication - locks device until authenticated on network in case of theft
- Duplex Firmware for reduced system downtime

### Simple Experience

- Hard drives included\*
- Industrial-grade internal power supply
- Pre-configured RAID enabled systems
- 24/7 North American based support

### Business Class Solutions

- Private & 3rd party integrated cloud support
- Novastor Business Essentials server and workstation licensing
- List top 3 firmware use case solutions

\*TS5210DN, TS5410DN, TS5810DN and TS5410RN ship with NAS grade hard drives. TS51210RH ship with enterprise-grade hard drives and two native 10GbE ports

\*TS5210DN, TS5410DN, TS5810DN include Kensington security slot and front panel lock

## High Performance Scalable Solution

MODELS	TS5210DN (2-BAY)	TS5410DN (4-BAY)	TS5410RN (4-BAY)	TS5810DN (8-BAY)	TS51210RH (12-BAY)
Part Numbers	TS5210DN0402 TS5210DN0802	TS5410DN0804 TS5410DN1604 TS5410DN2404	TS5410RN0804 TS5410RN1604 TS5410RN2404	TS5810DN1604 TS5810DN3204 TS5810DN3208 TS5810DN6408	TS51210RH1604 TS51210RH3204 TS51210RH4812 TS51210RH9612
Configuration	Desktop	Desktop	Rackmount	Desktop	Rackmount
<b>INTERNAL HARD DRIVES</b>					
Number of included Drives	2	4	4	4 or 8	4 or 12
Total Capacity	4 or 8 TB	8, 16 or 24 TB	8, 16 or 24 TB	16, 32 or 64 TB	16, 32, 48 or 96 TB
Drive Interface	SATA III (6 Gbps)	SATA III (6 Gbps)	SATA III (6 Gbps)	SATA III (6 Gbps)	SATA III (6 Gbps)
Supported RAID	0/1/ JBOD (Individual Disks)	0/1/5/6/10/ JBOD (Individual Disks)	0/1/5/6/10/ JBOD (Individual Disks)	0/1/5/6/10/ JBOD (Individual Disks)	0/1/5/6/10/JBOD (Individual Disks)
<b>USB INTERFACE</b>					
Standards Compliance	USB 3.0	USB 3.0	USB 3.0	USB 3.0	USB 3.0 / USB 2.0
Connector Type	A type	A type	A type	A type	A type
Number of Ports	2x USB 3.0	2x USB 3.0	3x USB 3.0	3x USB 3.0	2x USB 3.0, 2x USB 2.0
Data Transfer Rates	5 Gbps	5 Gbps	5 Gbps	5 Gbps	5 Gbps / 480 Mbps
<b>PERFORMANCE</b>					
CPU	Annapurna Labs® Alpine Processor AL314 (1.7 GHz Quad-Core)	Annapurna Labs® Alpine Processor AL314 (1.7 GHz Quad-Core)	Annapurna Labs® Alpine Processor AL314 (1.7 GHz Quad-Core)	Annapurna Labs® Alpine Processor AL314 (1.7 GHz Quad-Core)	Annapurna Labs® Alpine Processor AL314 (1.7 GHz Quad-Core)
Memory	4 GB DDR3 with ECC	4 GB DDR3 with ECC	4 GB DDR3 with ECC	4 GB DDR3 with ECC	8 GB DDR3 with ECC
<b>ENVIRONMENTAL &amp; POWER</b>					
Power Consumption	Max 85W Data Transfer 45W Idling 32W	Max 85W Data Transfer 56W Idling 45W	Max 100W Data Transfer 60W Idling 46W	Max 150W Data Transfer 108W Idling 87W	Max 500W Data Transfer 122W Idling 100W
Power Supply	Internal AC 100-240V Universal 50/60Hz	Internal AC 100-240V Universal 50/60Hz	Internal AC 100-240V Universal 50/60Hz	Internal AC 100-240V Universal 50/60Hz	**Internal AC 100-240V Universal 50/60Hz
Operating Temperature	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing
<b>SHIPPING</b>					
Unit Dimensions (LxWxH)	9.06 x 6.69 x 6.69 in	9.06 x 6.69 x 8.46 in	16.93 x 16.93 x 1.74 in	11.81 x 8.46 x 9.06 in	29.01 x 18.94 x 3.46 in
Unit Weight	10.58 lbs	15.43 lbs	18.52 lbs	20.72 - 27.55 lbs	41.67 - 53.13 lbs
Package Dimensions (LxWxH)	14.09 x 12.24 x 12.60 in	14.06 x 12.17 x 14.29 in	23.03 x 21.26 x 7.87 in	16.54 x 13.78 x 13.78 in	38.50 x 22.91 x 10.16 in
Package Weight	13 lbs	19.62 lbs	23.37 lbs	25.13 - 31.96 lbs	63.05 - 74.03 lbs
<b>LAN INTERFACE</b>					
Standards Compliance	IEEE802.3an (10GBASE-T), IEEE802.3bz (5GBASE-T/2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3 (10BASE-T)				
Number of Ports	1 (10GBASE-T)*, 2 (1000BASE-T)		*TS51210RH includes second 10GBASE-T port		
Data Transfer Rates	10 Gbps / 1000 Mbps / 100 Mbps / 10 Mbps				
Supported Protocols	TCP/IP				
Network File Services	CIFS/SMB, AFP, FTP, SFTP, NFS, SNMP				
Connector Type	RJ-45				
<b>CLIENT OS SUPPORT</b>	Windows® 10, Windows® 8.1 (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows Server® 2016, Windows Server® 2012, Windows Server® 2012R2, Windows Server® 2008, Windows Server® 2008R2, Mac® OS® X 10.9 or later				
<b>WARRANTY</b>	Standard 3-year warranty				
<b>ACCESSORIES</b>					
Compatible Hard Drives	OP-HD2.0N, OP-HD4.0N, OP-HD6.0N, OP-HD4.0H2U*, OP-HD8.0H2U*			*TS51210RH only	
Warranties	3YNBD10, 3YNBD20, 3YKYD10, 3YKYD40, 3YKYD30, 3YKYD20, 5YNBD10, 5YNBD40, 5YNBD30, 5YNBD20, 5YKYD10, 5YKYD40, 5YKYD30, 5YKYD20				

\*\*Optional Redundant Power Supply OP-PU-10R2UWR (TS51210RH only)

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