

## TeraStation™ 3020 Series

TS3220DN, TS3420DN, TS3420RN



### GET SERIOUS ABOUT PROTECTING YOUR DATA

The Buffalo TeraStation 3020 series is a Network Attached Storage solution ideal for small businesses that are serious about protecting their valuable business data. No more backing up data to easily-misplaced thumb drives or having to deal with multiple tapes or external hard drives – the TS3020 series lets you take data protection to the next step.

The TS3020 series delivers similar features and functionality as more advanced NAS solutions from Buffalo while offering reliability and versatility to help your business grow. The TS3020 family ships with NAS-grade hard drives included, and the 4-bay rackmount and desktop models come in partially-populated options so you can fulfill your storage needs today while giving you the flexibility to expand later as you see fit. The hard drives have been rigorously tested to maintain steady operations in an always-on environment, and remain much more stable and reliable than standard desktop hard drives. Small businesses will especially enjoy the TS3020's features such as the 2.5GbE Ready Port that allow them to achieve the reliability and security typically reserved for enterprise-level organizations.

No matter the size of your business, data protection should be of the highest priority. The TS3020 series supports both local and cloud-based backup strategies, and lets you automate your backup plan to save you time and money. Automation also ensures more consistent results should you need to recover data, saving you additional headaches. Data protection features such as optional data encryption as well as Buffalo's integrated software, which ensures that hard drive data cannot be accessed on systems other than your TeraStation, provide additional security. For physical protection, the integrated Kensington security slot, drive bay panel lock, and Buffalo's Boot Authentication software all serve to make sure your data cannot be accessed even if your unit is lost or stolen.

TeraStation 3020 units ship with RAID pre-configured for streamlined out-of-the-box data protection to further provide reliability and save you time.

#### Product Highlights:

- Available in 2-bay and 4-bay desktop models and a 1U 4-bay rackmount model - Partially Populated options available
- Includes 2.5GbE Ready Port for increased data transfer speeds without cable installation
- NAS-grade hard drives designed for reliability in always-on operation
- Storage capacity from 4 TB up to 32 TB
- Data security features: 256 bit AES Encryption, Boot Authentication and more.
- Data & drive encryption securing your data
- Integrated backup to 3rd party cloud services: Amazon S3, Dropbox, Microsoft OneDrive & Azure
- Supported by Windows, Windows Server and Mac® OS
- Includes NovaBACKUP® Buffalo Edition software with one server and ten workstation licenses
- Free Remote Management Service
- Three-year limited warranty with additional warranty services available
- 24/7 US-based technical support



### AT BUFFALO, WE'RE ALWAYS ON

We're working hard at Buffalo to make technology painless for customers. That starts with designing products that are reliable and easy to deploy. Our 24/7 US-based support experts can help de-mystify technology and select the solutions that are right for your business. We're also available to resolve questions that may come up during installation or once the solution has been implemented. Our goal is to make things easier for you and to help you be successful – give us a call!



MODELS	TS3220DN (2-BAY)	TS3420DN (4-BAY)	TS3420RN (4-BAY RACKMOUNT)
Part Numbers	TS3220DN0402 TS3220DN0802 TS3220DN1602	TS3420DN0804 TS3420DN1604 TS3420DN3204 TS3420DN0402 TS3420DN0802 TS3420DN1602	TS3420RN0804 TS3420RN1604 TS3420RN3204 TS3420RN0402 TS3420RN0802 TS3420RN1602
Form Factor	Desktop	Desktop	Rackmount
<b>INTERNAL HARD DRIVES</b>	NAS Grade	NAS Grade	NAS Grade
Number of Drives	2	2 or 4	2 or 4
Capacity Range	4, 8 TB	4, 8, 16, 32 TB	4, 8, 16, 32 TB
Drive Interface	SATA 6 Gbps	SATA 6 Gbps	SATA 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)
<b>USB INTERFACE</b>			
Standards Compliance	USB 3.0	USB 3.0	USB 3.0
Connector Type	A type	A type	A type
Number of Ports	2x USB 3.0	2x USB 3.0	3x USB 3.0
Data Transfer Rates	5 Gbps	5 Gbps	5 Gbps
<b>PERFORMANCE</b>			
CPU	Annapurna Labs® Alpine Processor AL214 (1.4 GHz Quad-Core)	Annapurna Labs® Alpine Processor AL214 (1.4 GHz Quad-Core)	Annapurna Labs® Alpine Processor AL214 (1.4 GHz Quad-Core)
Memory	1 GB DDR3	1 GB DDR3	1 GB DDR3
<b>ENVIRONMENTAL &amp; POWER</b>			
Power Consumption	Max 85W Data Transfer 33W Idling 30W	Max 85W Data Transfer 57W Idling 48W	Max 100W Data Transfer 59W Idling 52W
Power Supply	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)
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing
<b>SHIPPING</b>			
Package Dimensions (LxWxH)	14.09 x 12.24 x 12.60 in	14.06 x 12.18 x 14.31 in	23.03 x 21.26 x 7.87 in
Package Weight	12.1 lbs	18.1 lbs	28.9 lbs
<b>LAN INTERFACE</b>			
Standards Compliance	IEEE802.3bz (2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3 (10BASE-T)		
Number of Ports	1 (2.5GBASE-T), 1 (1000BASE-T)		
Data Transfer Rates	2.5Gbps / 1000 Mbps / 100 Mbps / 10 Mbps		
Supported Protocols	TCP/IP		
Network File Services	CIFS/SMB, AFP, FTP/FTPS/SFTP, NFS		
Connector Type	RJ-45		
<b>WARRANTY</b>	3-year hardware & software warranty included. 5-year extended warranty optional. KYD (Keep Your Drive) & NBD (Next Business Day) warranty services available		
<b>CLIENT OS SUPPORT</b>	Windows® 11, Windows® 10, Windows® 8.1 (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows Server® 2022, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012, Windows Server® 2012R, Windows Server® 2008, Windows Server® 2008R2, Mac® OS® X 10.9 or later		
<b>ACCESSORIES</b>			
Compatible Hard Drives	OP-HD2.0N, OP-HD4.0N, OP-HD8.0N		
Warranties	3YNBD20, 3YKYD40, 3YKYD30, 5YNBD30, 5YNBD40, 5YKYD40, 5YKYD30		

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