

TeraStation™ 3020 Network Attached Storage



Great Value, High Performance NAS with Integrated Multigigabit Port

The TeraStation™ 3020 series (TS3220DN, TS3420DN, TS3420RN) is a high-performance, cost-effective Network Attached Storage (NAS) solution, ideal for small businesses and demanding small office and home office (SOHO) users. With a powerful Annapurna Labs Alpine AL-214 1.4 GHz quad-core processor and an integrated 2.5 GbE port, it provides speedy transfer rates and stable operation during heavy-load work tasks. The robust central processing unit (CPU) and 1 GB of DDR3 RAM means it can run multiple services simultaneously. This allows businesses to focus on concurrent tasks with minimal performance degradation.

The TS3020 series is ready to use with a fast, user-friendly interface. It comes with dedicated NAS hard drives for higher reliability and essential features to support your business, such as Active Directory, iSCSI target, cloud backup (Microsoft Azure and OneDrive, Amazon S3 and Dropbox). The 'Duplex system firmware boot' protects the TS3020 from boot failure. With the firmware located on both the hard drive and the mainboard, if one fails, the system will function and recover from the other.

TS3020 protects your data with RAID, and hot swap functionality allows users to change disks without downtime. For additional data security, the device also comes with boot authentication, disk encryption and 11 free NovaStor NovaBACKUP® Buffalo Edition licenses.

The high efficiency airflow chassis is combined with an easy to clean dust-filter, which provides reliable and long-term use. Two Ethernet ports (1GbE / 2.5GbE) and two or three USB 3.0 ports (2 for the desktop, 3 for the rackmount versions) provide users with added versatility.

The TS3020 series comprises a 2-bay desktop NAS TS3220DN and the 4-bay desktop and rackmount versions TS3420DN and TS3420RN. All three versions are fully populated with capacities of 2 to 8 TB for the 2-bay and 4 to 32 TB for the 4-bay versions. Both 4-bay versions are available also partially populated with two drives and 16TB total capacity. The TS3020 family is the best solution for all budgets.

Features and Benefits

- Available as 2-bay desktop as well as 4-bay desktop or rackmount version
- Fully populated with 2, 4, or 8 TB (TS3220DN) and 4, 8, 16 or 32 TB capacities (TS3420DN/RN), partially populated with 16 TB (TS3420DN/RN)
- Annapurna Labs Alpine AL-214 1.4 GHz quad-core processor
- 1 GB of fast DDR3 memory installed
- 1 x 2.5GbE port, 1 x 1GbE port
- NAS HDD
- Simultaneous NAS and iSCSI target functionality
- Duplex System Firmware Boot
- Packed with rich backup features:
 - Failover
 - Replication
- Scheduled Backup
- Supports cloud backup with Microsoft Azure and OneDrive, Amazon S3 and Dropbox
- Bundled backup software with NovaStor NovaBACKUP® (11 licenses of NovaBACKUP® Buffalo Edition)
- Boot Authentication feature
- Hot Swap: Change drives in RAID without down time
- WebAccess: easily open TeraStation™ files via browser from a remote site or with WebAccess Apps available for iOS and Android®
- Intuitive interface and management GUI
- The rackmount version TS3420RN comes ready-to-use with a rail kit included in the box
- 3 year VIP warranty included, Extended Warranty available

About BUFFALO

BUFFALO is a leading global provider of award-winning storage, networking and multimedia solutions for the home and small business environments as well as for system builders and integrators. With more than four 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.

Specifications

Models	TS3220DN (2-bay)	TS3420DN (4-bay)	TS3420RN (4-bay)
Part Numbers	2 TB TS3220DN0202-EU 4 TB TS3220DN0402-EU 8 TB TS3220DN0802-EU	4 TB TS3420DN0404-EU 8 TB TS3420DN0804-EU 16 TB TS3420DN1604-EU 16 TB TS3420DN1602-EU (partially populated) 32 TB TS3420DN3204-EU	4 TB TS3420RN0404-EU 8 TB TS3420RN0804-EU 16 TB TS3420RN1604-EU 16 TB TS3420RN1602-EU (partially populated) 32 TB TS3420RN3204-EU
Configuration	Desktop	Desktop	Rackmount
Internal Hard Drives			
Number of Drives	2	4 (fully populated), 2 (partially populated)	4 (fully populated), 2 (partially populated)
Capacities	1, 2, 4 TB (NAS HDD)	1, 2, 4, 8 TB (NAS HDD)	1, 2, 4, 8 TB (NAS HDD)
Total Capacities	2, 4, 8 TB	4, 8, 16, 32 TB	4, 8, 16, 32 TB
Drive Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Supported RAID	JBOD/0/1	JBOD/0/1/5/6/10	JBOD/0/1/5/6/10
USB Interface			
Standard 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
System / Performance			
CPU	Annapurna Labs® Alpine Processor AL214 (1.4 GHz Quad-Core)		
RAM	1 GB DDR3		
Environmental & Power			
Power Consumption	Max. 85 W; average active: 33 W; average idle: 30 W; standby: 0.93 W	Max. 85 W; average active: 57 W; average idle: 48 W; standby: 0.91 W	Max. 100 W; average active: 59 W; average idle: 52 W; standby: 0.92 W
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	0° - 40°C	0° - 40°C	0° - 40°C
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing
Shipping			
Dimensions (WxHxD)	170 x 170 x 230 mm	170 x 215 x 230 mm	430 x 44.3 x 430 mm
Weight	4.4 kg	7.1 kg	8.6 kg
LAN Interface			
Standard Compliance	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3bz		
Number of Ports	1 x 1GbE, 1 x 2.5GbE		
Data Transfer Rates	2.5 Gbps / 10/100/1000 Mbps		
Supported Protocols	TCP/IP		
Network File Services	SMB/CIFS, AFP, FTP/FTPS, SFTP, NFS, RSYNC		
Connector Type	RJ-45		
Other			
Client OS Support	Windows® 10, Windows® 8.1, Windows® 7, Windows Server® 2019, Windows Server 2016, Windows Server® 2012 R2, Windows Server 2012, Mac OS X 10.11 or higher		
Included Software	NASNavigator2, NovaBACKUP® Buffalo Edition (one server and ten workstation licenses)		
Accessories			
Compatible Hard Drives	OP-HD1.0N, OP-HD2.0N, OP-HD4.0N	OP-HD1.0N, OP-HD2.0N, OP-HD4.0N, OP-HD8.0N	OP-HD1.0N, OP-HD2.0N, OP-HD4.0N, OP-HD8.0N
Warranty extensions	TS3220DN & TS3420DN: EWNBD03-1Y (1 year), EWNBD03-2Y (2 years); TS3420RN: EWNBD02-1Y (1 year), EWNBD02-2Y (2 years)		

