

TeraStation™ Essentials Series



A STRAIGHTFORWARD NAS TO PROTECT YOUR DATA

The TeraStation Essentials series is a reliable Network Attached Storage solution ideal for small businesses that are looking for a straightforward, easy-to-use data storage and backup server that pack plenty of versatility and security without inflating costs.

No matter the size of your business, data security should be of the highest priority. The TeraStation Essentials delivers the same high-security features as our flagship Buffalo NAS that you've come to expect. TeraStation Essentials runs on a closed system to protect against ransomware by deterring 3rd party app vulnerabilities. TeraStation Essentials also supports both local and cloud-based backup strategies, and lets you automate your backup schedule to save you time and effort. Drive encryption and boot authentication also ensure that your data cannot be accessed even if the unit is lost or stolen.

TeraStation Essentials is designed to provide a streamlined file or storage server experience for an office size of 10-30 concurrent users. The device is available in 4-bay desktop and rackmount form factors with capacities of up to 8TB, 16TB, 24TB, and 32TB. The NAS comes with pre-tested hard drives included and RAID pre-configured for out-of-the-box security. With a native 2.5GbE port for Fast Ethernet compatibility without needing special cables, 24/7 stable operation-ready hardware, and robust backup options, the TeraStation Essentials is positioned to provide enterprise-level features and operations at an entry-level price.

Product Highlights:

- Available in 4-bay desktop and rackmount form factors
- 8TB, 16TB, 24TB, and 32TB capacities available
- Pre-tested standard-grade hard drives included
- Includes 2.5GbE ready port for increased data transfer speeds
- Native security features such as drive encryption and boot authentication
- Integrated backups to 3rd party cloud services like Dropbox, Amazon S3, and Microsoft OneDrive and Azure
- Compatible with Windows, Windows Server, and macOS
- Free Buffalo Remote Management Service included
- 3-year hardware warranty
- 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 Part Numbers	TERASTATION ESSENTIALS (4-BAY DESKTOP)	TERASTATION ESSENTIALS (4-BAY RACKMOUNT)
	TS3420D0804S 4 X 2TB TS3420D1604S 4 X 4TB TS3420D2404S 4 X 6TB TS3420D3204S 4 X 8TB	TS3420R0804S 4 X 2TB TS3420R1604S 4 X 4TB TS3420R2404S 4 X 6TB TS3420R3204S 4 X 8TB
Form Factor	Desktop	Rackmount
INTERNAL HARD DRIVES	Standard Grade	Standard Grade
Number of Drives	4	4
Capacity Range	8, 16, 24, 32 TB	8, 16, 24, 32TB
Drive Interface	SATA 6 Gbps	SATA 6 Gbps
Supported RAID	0/1/5/6/10/ JBOD (Individual Disks)	0/1/5/6/10/ JBOD (Individual Disks)
USB INTERFACE		
Standards Compliance	USB 3.0	USB 3.0
Connector Type	A type	A type
Number of Ports	2x USB 3.0	3x USB 3.0
Data Transfer Rates	2.5 Gbps	2.5 Gbps
PERFORMANCE		
CPU	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
ENVIRONMENTAL & POWER		
Power Consumption	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
Operating Temperature	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing
SHIPPING		
Package Dimensions (LxWxH)	9.1 x 6.7 x 8.5 in	16.9 x 16.9 x 1.7 in
Package Weight	14 lbs	17 lbs
LAN INTERFACE	IEEE802.3bz (2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3 (10BASE-T)	
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	
WARRANTY	3-year hardware & software warranty included.	
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-HD2.0-2Y, OP-HD4.0-2Y, OP-HD6.0-2Y, OP-HD8.0-2Y	

TeraStation™ Essentials Series



©2020 BUFFALO INC. All rights reserved. BUFFALO and BUFFALO logo are either trademarks or registered trademarks of MELCO HOLDINGS INC. TeraStation is a trademark of BUFFALO INC. Microsoft Windows and Windows logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Mac OS is a trademark of Apple Inc., registered in the U.S. and other countries. The names and logos of other companies mentioned herein belong to their respective owners.