

TeraStation™ Essentials 2025 Series

TS3430DS



RELIABILITY AND PERFORMANCE FOR SMALL OFFICES

The Buffalo TeraStation Essentials 2025 Edition NAS is an efficient and reliable network storage solution ideal for small-medium businesses to securely centralize, store, and manage data. TeraStation Essentials is available in 4-32TB capacities and ships with pre-tested hard drives included and RAID pre-configured for hassle-free deployment.

TeraStation Essentials is designed to maintain steady operations and handle high data volumes in an always-on environment with iSCSI for expansion versatility. Integration with cloud services such as Dropbox and Microsoft OneDrive enable additional storage and backup options, and Buffalo's free Remote Management Service provides remote NAS access, configuration, and simple operations without needing constant on-site visits.

With nuanced data protection features such as drive encryption, two-factor authentication, Buffalo's Real-Time Threat Detection feature, and a closed system, TeraStation Essentials 2025 Edition NAS delivers an easy-to-use data storage solution that offers the security, stability, and simplicity you need so you can manage your data with peace of mind.

Product Highlights

- Hard drives included and RAID pre-configured for out-of-the-box data protection
- Optimized for reliability and stable performance even with high-volume data operations
- iSCSI support for shared storage for VM access
- Enhanced data security with a closed system, 256-bit drive encryption, 2FA, and Real-Time Threat Detection to mitigate ransomware
- Integration with cloud services for versatility and security
- Secure remote NAS access and configuration without needing on-site visits for convenient device management
- 3-year warranty with optional warranty services, along with Buffalo's award-winning 24/7 US-based Live Phone Support and data recovery service.
- Quality made-in-Japan hardware and TAA compliant



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	TS3430DS (4-BAY)
Part Numbers	TS3430D0804S 4 x 2TB TS3430D1604S 4 x 4TB TS3430D2404S 4 x 6TB TS3430D3204S 4 x 8TB
Form Factor	Desktop
INTERNAL HARD DRIVES	
Hard Drive Type	Standard Grade
Number of Included Drives	4
Capacity Range	8, 16, 24, 32TB
Supported RAID	0/1/5/6/10/JBOD (Individual Disks)
PERFORMANCE	
CPU	Annapurna Labs® Alpine Processor AL-524 2.0GHz Quad-core
Memory	2GB DDR4
File System	Btrfs
USB Ports	2x USB 3.2 (Type A)
Abnormal Login and File Activity Detection	Yes
Remote Access/Configuration	Yes
ENVIRONMENTAL & POWER	
Power Consumption	Max 85W Data Transfer 29W Idling 20W
Power Supply	Internal AC 100-240V Universal 50/60Hz
Operating Temperature	32° - 104°F (0° - 40°C)
Operating Humidity	10 - 85% non-condensing
SHIPPING	
Product Dimensions (LxWxH)	9.1 x 6.7 x 8.5 in
Product Weight	9.5 lbs
Package Dimensions (LxWxH)	14.1 x 12.2 x 12.6 in
Package Weight	12.6 lbs
LAN INTERFACE	
Standards Compliance	IEEE802.3bz (2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3 (10BASE-T) 1x 2.5GbE
Number of LAN Ports	1x 1GbE
Data Transfer Rates	2.5 Gbps/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 warranty
CLIENT OS SUPPORT	Windows® 11 (32-bit/64-bit), Windows® 10 Windows Server® 2022, Windows Server® 2019, Windows Server® 2016 Mac® OS® 12 or later Chrome OS
ACCESSORIES	
Compatible Hard Drives	OP-HD2.0-2Y, OP-HD4.0-2Y, OP-HD6.0-2Y, OP-HD8.0-2Y
Package Contents	TeraStation, 5e Ethernet Cable, AC Cable, Quick Setup Guide, Warranty Statement, Front Panel Key



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