

### Eight-Drive Business Class Reliable NAS



Buffalo's TeraStation Pro™ 8 is an eight-drive high performance network storage solution ideal for businesses and demanding users looking to implement a RAID based network storage solution for larger networks and business critical applications. With the powerful Intel® Atom™ D510 Dual-Core Processor, TeraStation Pro 8 provides exceptional performance during file transfers and everyday NAS functions. TeraStation Pro 8 runs many services simultaneously and the Dual-Core processor enables the ability to focus on multiple tasks simultaneously with minimal performance degradation: experience maximum network throughput while a replication job runs in the background or perform fast search indexing. TeraStation Pro 8 is packed with business class features such as Active Directory support, quota support, share level Replication, Failover support, dual gigabit Ethernet ports, hot-swap hard drives and USB 2.0 accessory support.

### NovaBackup® Business Essentials



### High Speed NAS (Read)

**TeraStation Pro\*** 108 MB/s

**TeraStation III** 69 MB/s

**TeraStation ES** 49 MB/s

\*Performance is estimated

PC: Dell Vostro 200 | CPU: Intel Core2Duo E6750 (2.66GHz)  
Mem: 3 GB | NIC: Intel PRO1000/PT  
OS: Windows XP Professional Service Pack 2  
Software: Iometer | RAID 5, Sequential read (RAID 1 for TeraStation Pro Duo)

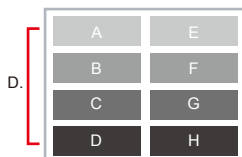
\*TeraStation Pro units tested include TeraStation Pro Duo (RAID 1), TeraStation Pro Quad (RAID 5), TeraStation Pro Rackmount (RAID 5), TeraStation Pro 6 WSS (RAID 5) and TeraStation Pro 8 WSS (RAID 5)

### Features and Benefits

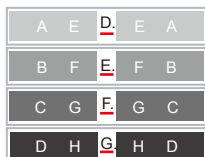
- Intel® Atom™ 1.66 GHz Dual Core / 2 GB RAM
- Powerful hardware makes data transfer faster. Multiple PCs access is also faster
- Eight front loading hot swap hard drives with lockable front panel
- Active Directory support
- Quota support prevents users/groups from consuming too much disk space
- Scheduled shut down reduces energy costs
- DFS (Distributed File System) support
- Easy setup wizard and management through intuitive web interface
- Cartridge mounted hot swap hard drives behind the front panel for easy drive access and replacement
- 1000/100/10 Gigabit Ethernet with Jumbo Frame
- Two Ethernet ports for port trunking
- Supported RAID levels: 0, 1, 5, 6, 10, 50, 51, 60, 61 Normal (JBOD)
- Share level replication feature synchronizes files of TeraStations
- Failover synchronizes configuration data and files between two TeraStation PROs. When the main TeraStation fails, the backup TeraStation automatically becomes a main TeraStation
- Hot spare enables automatic RAID build in case of a drive failure
- Optional AES-128 bit hard drive encryption
- Large silent fan and advanced ventilation design cool down hard drives and other components efficiently
- LCD Display shows important TeraStation information and disk status
- Built-in FTP server functionality
- BitTorrent Client: Download digital content from the Internet directly to your TeraStation
- DLNA CERTIFIED built-in media server for streaming multimedia content
- 2 USB 2.0 ports for external drive, printer and UPS connectivity
- 10 licenses of NovaBACKUP® Business Essentials Backup software included. Backup Included: Back up to 10 Windows PCs, Windows Servers, Exchange or MS SQL databases
- 3-Year Limited Warranty

### RAID Support for Maximum Flexibility and Reliability

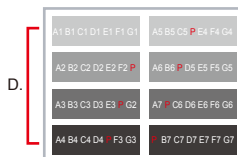
#### RAID 0 Striping Mode



#### RAID 1 Mirroring Mode



#### RAID 5 Parity Mode



#### RAID 6 Double Parity Mode



### TS-8VH24TL/R6(24TB), TS-8VH16TL/R6(16TB), TS-8VH8.0TL/R6(8TB), TS-8VHL/E(Enclosure Model)



## SPECIFICATIONS

### Hardware Specification

Processor	Intel Atom D510 1.66GHz (Dual Core)
Memory	DDR2-800 2GB
<b>Ethernet Port</b>	
Interface	IEEE802.3ab / IEEE802.3u / IEEE802.3 (1000BASE-T / 100BASE-TX / 10BASE-T)
Data Transfer Rate	1000Mbps full-duplex 100Mbps half-duplex/full-duplex 10Mbps half-duplex/full-duplex
Number of Ports	2 ports (AUTO-MDIX)
Connector Type	RJ-45 8pin
Transmission Distance	100m
Protocol	TCP, UDP
Network File Protocol	SMB/CIFS AFP HTTP, HTTPS FTP, FTPS, SFTP NFS

### USB Port (\* It cannot be used to connect to a computer)

Interface	2.0/1.1 interface
Number of Ports	USB 2.0/1.1: 2 ports (Type A)

### UPS Port

Interface	UPS port (D-sub 9pin (Male)) x 1 port
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### LCD

Backlight Color	Normal operation: Blue Error: Red
Contents	[Firmware version][Host name/IP address], [Date/Time], [Link Speed], Error Message, and Information Message

### Internal HDD (SATA II)

Interface	SerialATA II (rev. 2.0)
Number of Ports	8 ports (8HDDs are installed)
Data Transfer Rate	Max 3.0Gbps (Theoretical)

### Fan

Specification	92mm x 92mm double ball bearing fan x 2
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### Size/Weight

Unit Size	W300 x H215 x D230mm
Unit Weight	12.5kg
Package Size	W420 x H350 x D350mm
Package Weight	13.5kg

### Attachments

Power Cable	1.8m
Ethernet Cable	2m category5e straight cable
Key	Front panel key x 2
Warranty Statement	
Utility CD	Tera Navigator, NAS Navigator2, Turbo PC, Turbo Copy, NovaBACKUP Business Essentials (10 licenses), Quick Setup Guide, User's Manual, Adobe Reader

### Others

Power Input	Internal, AC 110-240V 50/60Hz
Power Consumption	Avg: 120W, Max: 170W
VA	Avg: 127VA, Max: 179VA
Heat Generation	Avg: 432kJ/h, Max: 612kJ/h
Operation Condition	Temperature: 5-35°C, Humidity: 20-80% (non condensing)
Standards	VCCI Class A, RoHS, DLNA
Warranty Period	3 years

### OS Support

Machine	Windows computer with Ethernet interface Apple Mac series *Connect to a computer via Ethernet [TeraStation] Windows 7 (32bit/64bit) / Vista (32bit/64bit) / XP (32bit/64bit)*1 / 2000 Windows Server 2008 R2 / 2008 / 2003 R2 / 2003, Windows 2000 Server MacOS X 10.3.9 or later *1: Including MCE2005 / MCE2004
Client OS Support	

### Software OS Support

	Windows							Mac OS
	7	Vista	XP*1	2000	Server 2008 R2 /2008	Server 2003 R2 /2003	2000 Server	X 10.3.9 or later 10.4 10.5 10.6
NAS Navigator2	✓/✓	✓/✓	✓	✓	✓	✓	✓	✓
NovaBACKUP Business Essentials	✓/✓	✓/✓	✓	-	✓	✓	-	-
Turbo PC	✓/✓	✓/✓	✓	✓	-	-	-	-
Turbo Copy	✓/✓	✓/✓	✓	✓	-	-	-	-

✓ : supported, - : not supported

### Browser

Windows: Internet Explorer (6.0 SP2 or later),  
FireFox (1.5 or later)  
Mac: Safari (2.0 or later), FireFox (1.5 or later)

\*Data rate, features and performance may vary based on the configuration of your system and other factors.

1 TB= 1,000,000,000,000 Bytes. Actual data throughput and range will vary depending upon network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead.

## About BUFFALO Inc.

[www.buffalo-asia.com](http://www.buffalo-asia.com)

BUFFALO Inc., based in Nagoya, Japan, is a leading global provider of award-winning networking, storage and multi-media solutions for the home and small business environments as well as for system builders and integrators. With three decades of networking and computer peripheral experience, BUFFALO has proven its commitment to delivering innovative, best-of-breed solutions that have put the company at the forefront of infrastructure technology.