

## High Performance Business Class Reliable NAS



Buffalo's TeraStation Pro™ Rackmount is a 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 Rackmount provides exceptional performance during file transfers and everyday NAS functions. TeraStation Pro Rackmount runs many services simultaneously and the Dual-Core processor enables the ability to focus on concurrent tasks with minimal performance degradation: experience maximum network throughput while a replication job runs in the background or perform fast search indexing. TeraStation Pro Rackmount 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 3.0 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

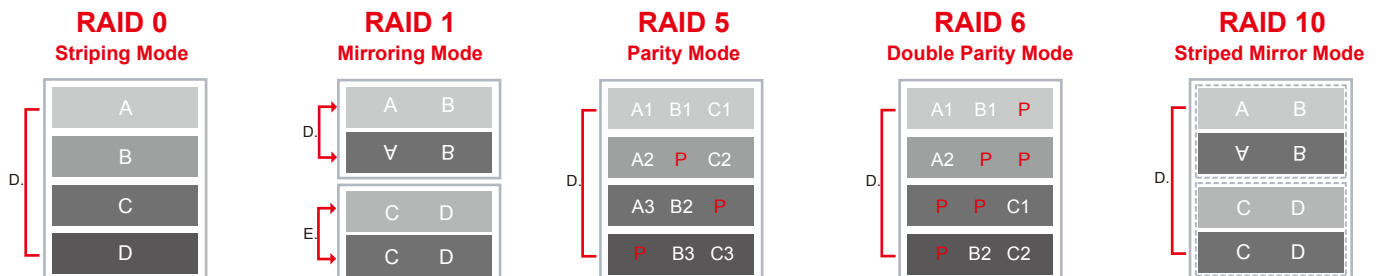
PC: Dell Vostro 200 | CPU: Intel Core2Duo E6750 (2.66GHz)  
Mem: 3 GB | NIC: Intel PRO1000/PT  
OS: Windows XP Professional Service Pack 2  
Software: Iometer | RAID 5, Sequential read (RAID 1 for TeraStation Pro Duo)

\*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
- Four front loading hot swap hard drives with lockable front panel
- Cartridge mounted hot swap hard drives behind the front panel for easy drive access and replacement
- 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
- 1000/100/10 Gigabit Ethernet with Jumbo Frame
- Two Ethernet ports for port trunking
- Supported RAID levels: 0, 1, 5, 6, 10, 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
- Reliable fan and advanced ventilation design cool down hard drives and other components efficiently
- LCD Display shows important TeraStation information and disk status
- LED indicators (UID) on front and rear glow blue when either front or rear indicator button is pushed, allowing for easy maintenance of rack-mounted devices
- 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
- 3 USB 2.0 ports and 2 USB 3.0 ports for external drive, printer and UPS connectivity
- 10 licenses of NovaBACKUP® Business Essentials Backup software included. Backup Included: Back up up to 10 Windows PCs, Windows Servers, Exchange or MS SQL databases
- 3-Year Limited Warranty

## RAID Support for Maximum Flexibility and Reliability





## TS-RVH12TL/R6(12TB), TS-RVH8.0TL/R6(8TB), TS-RVH4.0TL/R6(4TB)

### SPECIFICATIONS

#### Hardware Specification

Processor Intel Atom D510 1.66GHz (Dual Core)  
Memory DDR2-800 2GB

#### Ethernet Port

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 USB 3.0/2.0/1.1 interface  
Number of Ports USB 3.0: 2 ports (Type A),  
USB 2.0/1.1: 3 ports (Type A)

#### UPS Port

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

#### LCD

Backlight Color Normal operation: Blue  
Error: Red

Contents [Firmware version][Host name/IP address],  
[Date/Time], [Link Speed], Error Message,  
and Information Message

#### UID Button

UID Front / Back UID LED

#### Internal HDD (SATA II)

Interface SerialATA II (rev. 2.0)  
Number of Ports 4 ports (4HDDs are installed)  
Data Transfer Rate Max 3.0Gbps (Theoretical)

#### Fan

Specification 40mm x 40mm double ball bearing fan x2

#### Size/Weight

Form Factor 1U  
Supported Rack 19inch TIA/EIA-310-D Compliant  
Unit Size W430 x H44.3 x D420mm  
Unit Weight 9.0kg  
Package Size W533 x H180 x D478mm  
Package Weight 12.0kg

Rail Adjustable Range 470 - 760mm

#### Attachments

Power Cable 1.8m  
Ethernet Cable 2m category5e straight cable  
Key Front panel key x 2  
Rack Mounting Bracket 4 post rack mounting bracket (inner) x2,  
4 post rack mounting bracket (outer) x2  
2 post rack mounting bracket x2, hand screw x6  
M4 screw x4, M5screw x4, inch screw x4, cage nut x4

#### 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: 110W, Max: 140W  
VA Avg: 113VA, Max: 145VA  
Heat Generation Avg: 396kJ/h, Max: 504kJ/h  
Operation Condition Temperature: 5-35°C,  
Humidity: 20-80% (non condensing)

#### Standards

Warranty Period VCCI Class A, RoHS, DLNA  
3 years

#### OS Support

Machine

Windows computer with Ethernet interface  
Apple Mac series

\*Connect to a computer via Ethernet

#### Client OS Support

[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

#### 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
	32bit /64bit	32bit /64bit	32bit /64bit		32bit /64bit	32bit /64bit		
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)

\* 5 Gbps is the maximum transfer rate derived from the specifications of the Universal Serial Bus 3.0 and the ExpressCard. Actual transfer rate will vary depending upon environmental factors. 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.