

Dual Drive Business Class NAS



Buffalo's TeraStation Pro™ Duo is a two-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 Duo provides exceptional performance during file transfers and everyday NAS functions. TeraStation Pro Duo runs many services simultaneously and the Dual-Core processor enables the ability to focus on coinciding tasks with minimal performance degradation: experience maximum network throughput while a replication job runs in the background or perform fast search indexing. TeraStation Pro Duo is packed with business class features such as Active Directory support, quota support, share level replication, 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 ||| 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
- Two 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
- Share level replication feature with device failover
- Failover synchronizes configuration data and files between two TeraStation PROs. When the main TeraStation fails, the

- backup TeraStation automatically becomes a main TeraStation
- 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 3.0 ports and 2 USB 2.0 ports for external drive, printer and UPS connectivity
- 10 licenses of NovaBACKUP® Business Essentials Backup Included: Back up up to 10 Windows PCs, backup software included, Exchange or MS SQL databases
- 3-Year Limited Warranty

RAID Operating Modes



Hot Swap Hard Drives



Front loading hard drives for easy access and replacement

TS-WVH6.0TL/R1(6TB), TS-WVH4.0TL/R1(4TB), TS-WVH2.0TL/R1(2TB), TS-WVHL/E(Enclosure Model)



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 100Mbps 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
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: 2 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

Internal HDD (SATA II)

Interface SerialATA II (rev. 2.0)
Number of Ports 2 ports (2HDDs are installed)
Data Transfer Rate Max 3.0Gbps (Theoretical)

Fan

Specification 92mm x 92mm double ball bearing fan

Size/Weight

Unit Size W170 x H170 x D230mm
Unit Weight 4.5kg
Package Size W350 x H300 x D250mm
Package Weight 5.4kg

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: 40W, Max: 47W
VA Avg: 73VA, Max: 86VA
Heat Generation Avg: 144kJ/h, Max: 169.2.6kJ/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
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
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

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.