

## High Performance NAS Powered by Windows



TeraStation Pro Duo WSS provides high performance two hard drives RAID based network storage. Powered by Intel Atom D510 dual-core processor with 2GB memory, TeraStation Pro Duo WSS provides class-leading performance enabling faster read/write performance and concurrent access from multiple computers. TeraStation Pro Duo WSS, powered by Windows Storage Server 2008 R2 Workgroup Edition, provides seamless capability with Windows computers and servers. Active Directory support provides easy integration and user/group management in larger Windows network. Replication synchronizes files and folders between two TeraStation to protect important data. As disaster recovery, DFS Replication even allows data synchronization of TeraStations in remote locations via Internet.

## High Speed NAS (Read)

**TeraStation WSS\* 108 MB/s**

**TeraStation III 69 MB/s**

**TeraStation ES 49 MB/s**

\*Simultaneous transfer from 3 PCs. Performance is estimated.

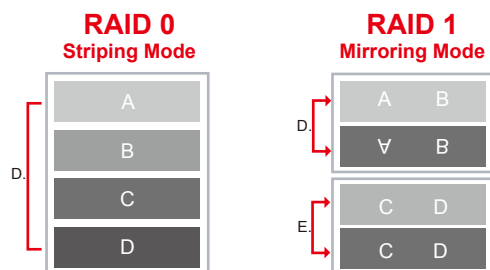
PC: Dell Vostro 200 | CPU: Intel Core2Duo E6750 (2.66GHz)  
Mem: 3 GB | NIC: Intel PRO1000/PT  
OS: Windows XP Professional Service Pack 2  
Software: Iometer | RAID 5, Sequential read (RAID 1 for TeraStation Pro Duo)

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

## Features and Benefits

- Windows Storage Server 2008 R2 Workgroup Edition - Incorporates the powerful Intel® Atom™ D510 Dual-Core Processor / 2GB RAM
- Two 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
- Disk quota (soft quota) support prevents users/groups from consuming too much disk space
- DFS (Distributed File System), Namespace & Replication support
- Improved CPU speed enables faster data transfer
- Two gigabit Ethernet ports support accesses from different network segment
- iSCSI Target and Initiator
- Works as a storage in Hyper-V (SAN storage for virtual machines) environment
- Supported RAID levels: 0, 1, JBOD(Individual Disks)
- Large silent fan and advanced ventilation design cool down hard drives and other components efficiently
- LCD Display shows important TeraStation information and disk status
- Windows Server 2008 Server Manager Utility for easy deployment and configuration
- 2 USB 3.0 ports and 2 USB 2.0 ports for external drive, printer and UPS connectivity
- 10 licenses of NovaBACKUP® Business Essentials v12 Included: Back up 10 Windows PCs, Windows Servers, Exchange or MS SQL databases
- 3-Year Limited Warranty

## RAID Support for Maximum Flexibility and Reliability



## NovaBACKUP® Business Essentials



**Comprehensive Backup Solution for up to 10 PCs, Servers or SQL databases**

## WS-WV4.0TL/R1(4TB), WS-WV2.0TL/R1(2TB)



### SPECIFICATIONS

#### Hardware Specification

OS	Windows Storage Server 2008 R2 Workgroup Edition
Processor	Intel Atom D510 1.66GHz (Dual Core)
Memory	DDR2-800 2GB

#### Ethernet Port

Interface	IEEE802.3ab / IEEE802.3 / 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
Connector Type	RJ-45
Transmission Distance	100m
Protocol	TCP, UDP
Network File Protocol	SMB/CIFS FTP 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 (Type A), USB 2.0/1.1: 2 (Type A)

#### UPS Port

Interface	UPS port (D-sub 9pin (Male))
Number of Ports	1

#### Display Port

Interface	Analog RGB (D-Sub 15pin)
Number of Ports	1

#### LCD

Backlight Color	Normal operation: Blue Error: Red
Contents	[OS], [Host name/IP address], [Clock], [HDD usage] [Link Speed], Error Message, and Information Message

#### Internal HDD (SATA II)

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

#### Fan

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

Unit Size	W170 x H170 x D230mm
Unit Weight	4.5kg

#### Other

Power Input	AC100-240V 50/60Hz
Power Consumption	Avg: 40W, Max: 47W
VA	Avg: 73VA, Max: 86VA
Heat Generation	Avg: 144kJ/h, Max: 169.2kJ/h
Operation Condition	Temperature: 5-35°C, Humidity: 20-80% (non condensing)
Standards	VCCI Class A, RoHS
Warranty	3 years

#### Package Contents

Power Cable	1.8m
Ethernet Cable	2m category5e straight cable
Key	Front panel key x 2
Warranty Statement	
Utility Media(USB Memory)	Tera Navigator, NAS Navigator2 NovaBACKUP Business Essentials Setup Guide, Adobe Reader

#### OS Support

Machine	Windows computer with Ethernet interface Apple Mac series
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#### Client OS Support

\*Connect to a computer via Ethernet  
[TeraStation]  
Windows 7 (32-bit/64-bit) / Vista (32-bit/64-bit) /  
XP (32-bit/64-bit)\* / 2000  
Windows Server 2008 R2 (32-bit/64-bit) /  
2008 (32-bit/64-bit)  
Windows Server 2003 R2 (32-bit/64-bit) /  
2003 (32-bit/64-bit)  
Windows 2000 Server  
Mac OS X 10.3.9 or later  
\* : Including MCE2005 / MCE2004

#### Software OS Support

	Windows							Mac OS
	7	Vista	XP*	2000	Server 2008 R2 /2008	Server 2003 R2 /2003	2000 Server	X 10.3.9 or later
	(32-bit/64-bit)	(32-bit/64-bit)	(32-bit/64-bit)		(32-bit/64-bit)	(32-bit/64-bit)		10.4 10.5 10.6
NAS Navigator2	✓	✓	✓	✓	✓	✓	✓	✓
NovaBACKUP Business Essentials	✓	✓	✓	-	✓	✓	-	-

✓ : supported, - : not supported

\* 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.