

High Performance NAS Powered by Windows



TeraStation Pro Quad WSS provides high performance four hard drives RAID based network storage. Powered by Intel Atom D510 dual-core processor with 2GB memory, TeraStation Pro Quad WSS provides class-leading performance enabling faster read/write performance and concurrent access from multiple computers. TeraStation Pro Quad 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 Capacity NAS up to 8 TB

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.

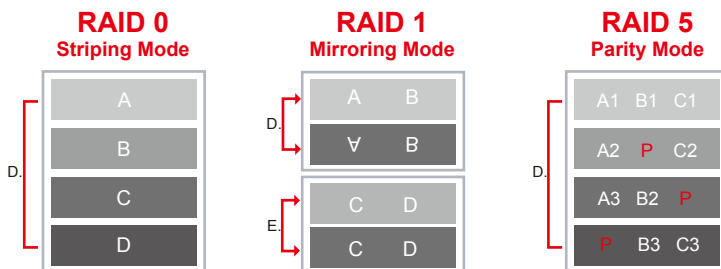
PC: Dell Vostro 200 | CPU: Intel Core2Duo E6750 (2.66GHz)
Mem: 3 GB | NIC: Intel PRO1000/PT
OS: Windows XP Professional Service Pack 2
Software: Iometer | RAID 5, Sequential read (RAID 1 for TeraStation Pro Duo)

*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
- 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
- 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
- 1000/100/10 Gigabit Ethernet with Jumbo Frame
- Two 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, 5, Simple disk (Individual disks), Span
- 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-QV8.0TL/R5(8TB), WS-QV4.0TL/R5(4TB)



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 / IEEE802.3u / 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
 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 ports (Type A),
 USB 2.0/1.1: 2 ports (Type A)

UPS Port

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

Display Port

Interface Analog RGB (D-Sub 15pin) x 1 port

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 4 ports (4HDDs are installed)
 Data Transfer Rate Max 3.0Gbps (Theoretical)

Fan

Specification 92mm x 92mm double ball bearing fan

Size/Weight

Unit Size W170 x H215 x D230mm
 Unit Weight 8.0kg
 Package Size W232 x H343 x D347mm
 Package Weight 9.0kg

Attachments

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

Others

Power Input AC100-240V 50/60Hz
 Power Consumption Avg: 60W, Max: 86W
 VA Avg: 64VA, Max: 91VA
 Heat Generation Avg: 216kJ/h, Max: 309.6kJ/h
 Operation Condition Temperature: 5-35°C,
 Humidity: 20-80% (non condensing)
 Standards VCCI Class A, RoHS
 Warranty Period 3 years

OS Support

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

Software OS Support

	Windows							Mac OS X 10.3.9 or later 10.4 10.5 10.6
	7	Vista	XP*	2000	Server 2008 R2 /2008	Server 2003 R2 /2003	2000 Server	
	32bit /64bit	32bit /64bit	32bit /64bit		32bit /64bit	32bit /64bit		
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

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.