TeraStation™
WS5020N6 Series

SW RAID
Windows Storage Server 2016

Perfect Integration

High Performance Storage Solution for
Windows-based Environments – Hard Drives Included

Buffalo's new TeraStation™ WS5020N6 series with Windows Storage Server 2016 combine two or four hard drive, high-performance network attached storage with the power and convenience of Windows operating system. TeraStation™ WS5020N6 series features native 10GbE connectivity and achieves increased reliability by populating with hard drives built specifically for always-on NAS devices.

The WS5020N6 seamlessly melds with networks' existing Windows computers and server enabling quick straightforward deployment and massive storage capacity available in an instant. WS5020N6 is an ideal solution for consolidating multiple file servers into a single solution that enables cost reduction and lowering of the overhead on your existing servers for other workloads.

Once deployed, users will find WS5020N6 enables full Active Directory integration facilitating comprehensive access management, policies, and security. This allows networks to automate access and manage storage in the same way as they do their Windows Server. PowerShell and Microsoft Systems Center are ready-to-use, as well as a flexible choice of storage protocols (iSCSI, CIFS/SMB, NFS). Your most demanding applications and processes, such as replication, SQL, a fast-indexing search during an anti-virus scan, and more, are no problem for the WS5020N6.

The series comes equipped with the powerful Intel® Atom™ C3338 Dual-Core 1.56Ghz family Processor and 8GB of fast ECC DDR4 memory installed and is designed to guard against failures and prevent downtime with two or four hot-swappable drives.

Features and Benefits

- Pre-tested NAS-grade hard drives included with RAID 1 or 5 pre-configured
- Windows Storage Server 2016, 2 or 4-bay desktop (Workgroup edition) and 4-bay rackmount (Standard edition) NAS with and native integration with the Active Directory Service
- No CAL (Client-Access Licenses) required. Cost-effective storage solution to make full use of existing Windows-based environments
- 10 GbE/Dual Core CPU with 8GB DDR4 ECC memory

- A variety of backup features [DFS Replication, Shadow Copies/Azure Backup]
- Highly secured with the latest SMB protocol support (3.1.1)
- Business-level sever/PC backup NovaBACKUP® software bundled
- 3-year TeraStation VIP warranty, optional extended warranty
- Made in Japan

About BUFFALO

BUFFALO is a leading global provider of award-winning storage, networking and multimedia solutions for the home and small business environments as well as for system builders and integrators. With more than four decades of networking and computer peripheral experience, BUFFALO has proven its commitment to delivering innovative solutions that have put the company at the forefront of infrastructure technology.

Specifications

Models	WS5220DNW6 (2 bay)	WS5420DNW6 (4-bay)	WS5420RNS6 (4-bay) Rackmount
Part Numbers	WS5220DN04W6EU WS5220DN08W6EU	WS5420DN08W6EU WS5420DN16W6EU WS5420DN32W6EU	WS5420RN16S6EU WS5420RN32S6EU
Configuration	Desktop	Desktop	Rackmount
Internal Hard Drives			
Type		NAS HDD	
Number of Drives	2	4	4
Capacities	4, 8 TB	8, 16, 32 TB	16, 32 TB
Drive Interface		SATA 6 Gbps	
Supported RAID	Spanned / Striped / 1 / JBOD	Spanned / Striped / 1 / 5 / JBOD	Spanned / Striped / 1 / 5 / JBOD
USB Interface			
Standard Compliance		USB 3.0	
Connector Type		USB Type A	
Number of Ports	2 x USB 3.0	2 x USB 3.0	3 x USB 3.0
Data Transfer Rates		480 Mbps USB 2.0 / 5 Gbps USB 3.0	
System / Performance			
CPU		Intel Atom C3338	
RAM		8GB DDR4 with ECC	
Environmental & Power			
Power Unit	1	1	1
Power Consumption	Standby 5.2 W, Avg. Idle 25.7/Data 28.7 W, Max. 85 W	Standby 3.7 W, Avg. Idle 59.5/Data 58.6 W, Max. 85 W	Standby 5 W, Avg. Idle 60.5/Data 60 W, Max. 100 W
Power Supply		internal, 100-240 V 50/60 Hz universal	
Operating Temperature		0˚ - 40˚C	
Operating Humidity		10 - 85 % non-condensing	
Dimensions / Weight			
Dimensions (WxHxD)	170 x 170 x 230 mm	170 x 215 x 230 mm	430 x 44.3 x 430 mm
Weight	5 kg	7.4 kg	8.9 kg
LAN Interface			
Standards Compliance		(10BASE-T) IEEE802.3, (100BASE-TX) IEEE802.3u, (1000BASE-T) IEEE802.3ab, (10GBASE-T) IEEE802.3an, (2.5GBASE-T and 5GBase-T) IEEE802.3bz	
Number of Ports		1 (10GBASE-T), 2 (1GBASE-T)	
Data Transfer Rates		2 x 10/100/1000 Mbps; 1 x 100/1000 Mbps / 2.5/5/10 Gbps	
Supported Protocols		TCP/IP, UDP	
Connector Type		RJ-45	
Other			
Client OS Support		Windows® 10, Windows® 8.1 (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows Server® 2016, Windows Server® 2012, Windows Server® 2012R2, Windows Server® 2008, Windows Server® 2008R2, Mac OS 10.11 to 10.13	
Included Software		NAS Navigator2, NovaBACKUP® Buffalo Edition (one server and ten workstation licenses)	
Accessories			
Compatible Hard Drives		OP-HD2.0N, OP-HD4.0N, OP-HD8.0N	