Key Features

- Pre-tested NAS-grade hard drives included with RAID pre-configured

- 3-year warranty with 24/7 North America-based support (Optional Extended Warranty)

- Windows® Storage Server 2016 Workgroup/Standard Edition

- No CAL (Client-Access Licenses) required. Cost-effective storage solution to make full use of existing Windows-based environments

- Efficient and high speed backup with deduplication feature/native 10GbE port/8GB ECC memory

- Supports a variety of backup and features [Shadow Copy/Azure Backup]

- Highly secured with the latest SMB protocol support (3.1.1)

- Business-level sever/PC backup NovaBACKUP® software bundled

- Made in Japan / TAA compliant

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

Buffalo's TeraStation™ WS5020 series is a reliable Network Attached Storage solution integrated with Windows Storage Server 2016 (pre-tested NAS-grade hard drives included). This specialized operating system helps simple deployment and management of your growing storage demands as it integrate seamlessly with your existing Windows based environment.

WS5020 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.

With the powerful Intel® Atom™ processor and 8 GB of installed RAM with ECC, TeraStation™ WS5020 series provides class-leading performance and enables the ability to focus on concurrent tasks with minimal performance degradation. TeraStation™ WS5020 series features native 10GbE connectivity and achieves increased reliability by populating with hard drives built specifically for always-on NAS devices. Additionally, support for NTFS for very specific file-level security and native Active Directory support provides integration with large Windows® networks.

PRODUCT SPECIFICATIONS

MODELS	WS5220DN	WS5420DN	WS5420RN
Part Numbers	WS5220DN04W6 WS5220DN08W6	WS5420DN08W6 WS5420DN16W6 WS5420DN32W6	WS5420RN16S6 WS5420RN32S6
Configuration	Desktop	Desktop	Rackmount
Operating Sytem WINDOWS STORAGE SERVER 2016	Workgroup Edition	Workgroup Edition	Standard Edition
INTERNAL HARD DRIVES			
Number of Drives	2	4	4
Capacity Range	4, 8 TB	8, 16, 32 TB	16, 32 TB
Drive Interface	SATA 6 Gbps	SATA 6 Gbps	SATA 6 Gbps
Supported RAID	0/1/JBOD (Individual Disks) (Default 1)	0/1/5/JBOD (Individual Disks) (Default 5)	0/1/5/JBOD (Individual Disks) (Default 5)
USB INTERFACE			
Number of Ports Data	2x USB 3.0 (A Type)	2x USB 3.0 (A Type)	3x USB 3.0 (A Type)
PERFORMANCE			
CPU	Intel Atom C3338	Intel Atom C3338	Intel Atom C3338
Memory	8GB DDR4 with ECC	8GB DDR4 with ECC	8GB DDR4 with ECC
ENVIRONMENTAL & POWER			
Power Consumption	Max 85W	Max 85W	Max 100W
Power Supply	Internal AC 100-240V Universal 50/60Hz	Internal AC 100-240V Universal 50/60Hz	Internal AC 100-240V Universal 50/60Hz
Operating Temperature	32˚ - 104˚F (0˚ - 40˚C)	32˚ - 104˚F (0˚ - 40˚C)	32˚ - 104˚F (0˚ - 40˚C)
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing
Product Size			
Dimensions (LxWxH)	9.1 x 6.7 x 6.7 in	9.1 x 6.7 x 8.5 in	16.9 x 16.9 x 1.7 in
Weight	11.0 lbs	15.9 lbs	19. 8 lbs

LAN INTERFACE	
Standards Compliance	IEEE802.3an (10GBASE-T), IEEE802.3bz (5GBASE-T/2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE- 2TX), IEEE802.3 (10BASE-T)
Number of Ports	1 (10GBASE-T), 2 (1000BASE-T)
Data Transfer Rates	10 Gbps / 5 Gbps / 2.5 Gbps / 1000 Mbps / 100 Mbps / 10 Mbps
Connector Type	RJ-45

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® X 10.5 or later

ACCESSORIES	
Compatible Hard Drives	OP-HD2.0N, OP-HD4.0N, OP-HD8.0N
Optional Warranty	Keep Your Drive Warranty [Desktop] 3 Year: 3YKYD40 / 5 Year: 5YKYD40 [Rackmount] 3 Year: 3YKYD30 / 5 Year: 5YKYD30 Next Business Day Warranty [Desktop] 3 Year: 3YNBD20 / 5 Year: 5YNBD40 [Rackmount] 3 Year: 3YNBD20 / 5 Year: 5YNBD30

BOX CONTENTS	
	TeraStation™, Quick Setup Guide, Ethernet Cable (CAT 6), *Rail Kit with Mounting Brackets and Screws, AC Cable, Setup Media (SD Card), **Front Panel Key, Warranty Statement

** WS5220DN & WS5420DN only   *WS5420RN only

INCLUDED SOFTWARE	
	NAS Navigator2, NovaBACKUP® Buffalo Edition (one server and ten workstation licenses)

TAA Compliant