

### Windows Server IoT 2025



Buffalo's TeraStation WS5020 IoT series is a professional Network Attached Storage solution integrated with Windows Server IoT 2025 for Storage Workgroup edition. The NAS family enables streamlined deployment in a Windows environment, and leverages the native Windows Server operating system to deliver open-ended storage and centralized data management for your business while saving costs and keeping your data safe.

The featured Windows Server IoT 2025 for Storage Workgroup edition is a specialized version of Windows Server IoT with dedicated file server capabilities and streamlined for small storage solutions. You can integrate any Windows product, service, or platform you are already using as needed, as Windows Server IoT 2025 offers enhanced app compatibility from previous editions. The NAS also integrates seamlessly into Windows environments, with the familiar Windows Server interface minimizing training needs, and utilizes the latest Windows Server features including data deduplication and Active Directory with enhanced security and greater scalability.

Whether you are replacing an aging NAS or installing a new on-site storage or backup server, you can easily implement the Windows Server IoT 2025 NAS without extra cost or hassle. In addition, the WS IoT 2025 TeraStation does not require any Client Access Licenses (CALs). You can have up to 50 users access the NAS without needing to pay additional costs to further help device integration.

The TeraStation WS5020 are available in desktop and rackmount form factors, and is available in 4, 8, 16, 32, and 48TB capacities. Each device comes with pre-tested NAS-grade hard drives included, along with a 3-year warranty (that includes hard drive coverage) and our award-winning, U.S.-based 24/7 Live Phone Support.

### Product Highlights

- Native Windows Server IoT 2025 for Storage Workgroup edition
- Pre-tested NAS-grade hard drives included with RAID pre-configured
- No CAL (Client-Access Licenses) required
- Cost-effective small business NAS with Windows Server enhanced data management and security features
- Cloud service integration with Azure, OneDrive, and other Microsoft-compatible services
- Includes NovaBACKUP software license(s) for versatile, professional-level server and PC backups
- Made in Japan/TAA Compliant

## PRODUCT SPECIFICATIONS

MODELS	WS5220DN	WS5420DN	WS5420RN
Part Numbers	WS5220DN04W5 WS5220DN08W5	WS5420DN16W5 WS5420DN32W5 WS5420DN48W5	WS5420RN16W5 WS5420RN32W5 WS5420RN48W5
Configuration	Desktop	Desktop	Rackmount
<b>Operating System</b>	Windows Server IoT 2025 for Storage Workgroup Edition	Windows Server IoT 2025 for Storage Workgroup Edition	Windows Server IoT 2025 for Storage Workgroup Edition
<b>INTERNAL HARD DRIVES</b>			
Number of Drives	2	4	4
Capacity Range	4, 8 TB	16, 32, 48 TB	16, 32, 48 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)
<b>USB INTERFACE</b>			
Number of Ports Data	2x USB 3.2 (A Type)	2x USB 3.2 (A Type)	3x USB 3.2 (A Type)
<b>PERFORMANCE</b>			
CPU	Intel Atom C3338	Intel Atom C3338	Intel Atom C3338
Memory	8GB DDR4 with ECC	8GB DDR4 with ECC	8GB DDR4 with ECC
<b>ENVIRONMENTAL &amp; POWER</b>			
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
<b>Product Size</b>			
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
<b>LAN INTERFACE</b>	IEEE802.3an (10GBASE-T), IEEE802.3bz (5GBASE-T/2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3i (10BASE-T)		
Standards Compliance	IEEE802.3an (10GBASE-T), IEEE802.3bz (5GBASE-T/2.5GBASE-T), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3i (10BASE-T)		
Number of Ports	1 (10GBASE-T), 2 (1000BASE-T)		
Data Transfer Rates	10 Gbps / 1000 Mbps / 100 Mbps / 10 Mbps		
Connector Type	RJ-45		
<b>CLIENT OS SUPPORT</b>	Windows® 11, Windows® 10 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows Server® 2022, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012R2, Windows Server® 2012, macOS® 10.12 or later		
<b>ACCESSORIES</b>	OP-HD2.0N, OP-HD4.0N, OP-HD8.0N, OP-HD10.0N		
Compatible Hard Drives	OP-HD2.0N, OP-HD4.0N, OP-HD8.0N, OP-HD10.0N		
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		
<b>BOX CONTENTS</b>	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 *WS5420RN only    ** WS5220DN & WS5420DN only		
<b>INCLUDED SOFTWARE</b>	NAS Navigator2, NovaBACKUP® Buffalo Edition (1 Business Essentials & 10 PC licenses)		

