

Tough. Ready. Scalable.



Seagate<sup>®</sup> IronWolf<sup>®</sup>525 enables fast caching and tiered storage for best-in-class NAS performance. Designed with PCIe Gen 4 support and class-leading endurance and reliability. IronWolf 525 is the ideal choice for creative pros and businesses with demanding performance needs.



## **Best-Fit Applications**

- Commercial and Entry-Level Enterprise NAS
- High performance Workstations
  and PCs
- U.2 to M.2 adapters for U.2 NVMe SSD drive bays

## Key Advantages

**Future-Proof Speed** IronWolf 525 boosts NAS caching and tiered storage solutions to the next level with PCIe Gen 4 speeds up to 5000MB/s<sup>1</sup>, while maintaining backward compatibility with PCIe Gen 3 systems

**Always On, Always Accessible** Designed to deliver performance in demanding 24x7 low latency, multi-user environments, enabling fast access to data any time, anywhere.

**Built Tough** Endurance rating of 0.7 DWPD<sup>2</sup> ensures robust performance in NAS and other intensive client workloads.

**Class-Leading Reliability and Dependability** Rated for 1.8M hours MTBF and includes a 5-year limited warranty for best-in-class total cost of ownership (TCO).

**Purpose-Built Capacities** Choose from 500GB, 1TB and 2TB, ideal for primary storage or fast caching

**IronWolf Health Management (IHM)**<sup>3</sup> Actively monitor and protect your NAS data with error Prevention, Intervention and Recovery recommendations.

**Peace of mind with Data Recovery** Includes 3-year complimentary Rescue Data Recovery Services<sup>4</sup> in the event of accidental data corruption or drive damage

Fresh Out of Box (FOB) sequential read, measured using CrystalDiskMark v.8.0.1 × 64 with Windows 10 PCIe Gen 4 system
 Calculated from Total Bytes Written over 5 years. Refer to specifications table on page 2 for Total Bytes Written (TB).
 IHM is enabled on all leading NAS systems. Please check with your NAS vendor or a Seagate sales representative for more details.
 Rescue Data Recovery Services not available in all countries. Contact your Seagate sales representative for further details.







ZP2000NM30002 PCIe Gen4 ×4, NVMe 1.3 3D TLC M.2 2280-D2 5000 4400 740,000 700,000 4300	ZP1000NM30002 PCIe Gen4 ×4, NVMe 1.3 3D TLC M.2 2280-D2 5000 4400 760,000 700,000	ZP500NM30002 PCIe Gen4 ×4, NVMe 1.3 3D TLC M.2 2280-D2 5000 2500 420,000	
3D TLC M.2 2280-D2 5000 4400 740,000 700,000	3D TLC M.2 2280-D2 5000 4400 760,000	3D TLC M.2 2280-D2 5000 2500	
M.2 2280-D2 5000 4400 740,000 700,000	M.2 2280-D2 5000 4400 760,000	M.2 2280-D2 5000 2500	
5000 4400 740,000 700,000	5000 4400 760,000	5000 2500	
4400 740,000 700,000	4400 760,000	2500	
4400 740,000 700,000	4400 760,000	2500	
740,000 700,000	760,000		
700,000	,	420,000	
	700,000		
4300		630,000	
	4350	3300	
965	995	525	
	i	230,000	
	· · · ·	10,800	
10,000	10,000		
3400	3400	3400	
		2500	
	i		
	· · · ·	420,000	
		550,000	
	i	3250	
965	995	525	
425,000	445,000	230,000	
19,500	19,500	10,800	
2,800	1,400	700	
1 per 10E16	1 per 10E16	1 per 10E16	
1,800,000	1,800,000	1,800,000	
3	3	3	
5	5	5	
	· · · · · · · · · · · · · · · · · · ·		
3.3V	3.3V	3.3V	
6.5	6.5	5.6	
30	20	20	
		0°C – 70°C	
	1	-40°C – 85°C	
1500	1500	1500	
0.50mm (0.4.40)	0.50mm/0.440	0.50	
		3.58mm/0.140in	
		22.15mm/0.872in	
		80.15mm/3.156in 8.0g/0.017lb	
	965 425,000 19,500 3400 3200 640,000 565,000 3300 965 425,000 19,500 2,800 1 per 10E16 1,800,000 3 5 5 5	965      995        425,000      445,000        19,500      19,500        3400      3400        3200      3200        640,000      640,000        565,000      565,000        3300      3300        965      995        425,000      445,000        19,500      19,500        19,500      19,500        19,500      19,500        19,500      19,500        19,500      19,500        19,500      1,400        1 per 10E16      1 per 10E16        1,800,000      1,800,000        3      3        5      5        3      3        3.3V      3.3V        6.5      6.5        30      20        0°C - 70°C      0°C - 70°C        -40°C - 85°C      -40°C - 85°C        1500      1500        3.58mm/0.140in      3.58mm/0.140in        3.58mm/0.140in      3.58mm/0.140in	

5 Fresh Out of Box (FOB) performance of newly formatted drive measured with CrystalDiskMark v.8.0.1 ×64 on Windows 10 host. Performance may vary based on SSD firmware version, system hardware, and configuration.

6 Sustained performance measured with FIO on Linux host. Performance is based on testing under certain workload conditions and may vary based on SSD firmware version, system hardware, and configuration.

7 Rescue Data Recovery Services not available in all countries. Contact your Seagate sales representative for further details.





Specifications							
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions				
Length (in/mm)	0.945in/24mm 6.024in/153mm		47.992in/1219mm				
Width (in/mm)	4.291in/109mm	11.496in/292mm	20in/508mm				
Depth (in/mm)	6.102in/155mm	5.512in/140mm	27.795in/706mm				
Weight (lb/kg)	0.139lb/0.063kg	1.984lb/0.9kg	104.808lb/47.54kg				
Quantities							
Boxes per Master Carton	10						
Master Cartons per Pallet	48						
Pallet Layers	4						

## System Requirements

What's Included

• M.2 (M key) slot, PCIe<sup>®</sup> Gen4 ×4, PCIe Gen3 x4

• Seagate<sup>®</sup> IronWolf<sup>®</sup> 525 SSD

- Windows<sup>®</sup> 10
- Linux

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
ww	ZP500NM3A002	500GB	5	763649170748	8719706427883	10763649170745
ww	ZP1000NM3A002	1TB	5	763649170755	8719706427890	10763649170752
ww	ZP2000NM3A002	2TB	5	763649170762	8719706427906	10763649170769

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