



DataCenter NAS D60 SSD



Optimal Applications:

- Commercial and Enterprise Network Attached Storage (NAS) Systems
- High-Performance Workstations
- Server Storage Solutions

NAS D60 SSD

PCIe 4.0 SSD for NAS Devices

The addlink DataCenter NAS D60 SSD elevates storage for NAS, Workstations, and Servers in Commercial and Enterprise settings, offering advanced caching and tiered storage options. Featuring PCIe Gen4 NVMe SSD in an M.2 2280 form factor, it achieves sustained Sequential read of up to 6000MB/s and is backward compatible with PCIe Gen3 systems. It provides durability with 1 DWPD, integrating power loss protection and TCG Pyrite Encryption for enhanced data security.

Optimized NAS Performance: This SSD offers sustained sequential reads of up to 6000MB/s¹ and sequential random read/write up to 800K/60K IOPS¹, ensuring consistent, high-speed data processing in network storage.

Compatibility to PCIe 3.0: Harnessing the speed of a PCIe Gen4 NVMe interface within the compact M.2 2280 form factor, the NAS D60 SSD excels in next-gen PCIe 4.0 network attached storage environments and maintains full backward compatibility with PCIe 3.0 systems.

Robust Endurance: With at 1 DWPD² and up to 3800TBW, this SSD is built for NAS use and heavy workloads. Designed for continuous 24/7 operation, it provides reliable and steady performance.

Power Loss Protection: Equipped specialized circuitry, the NAS D60 SSD protect your data against corruption during unexpected power outages.

Enhanced Security: TCG Pyrite³ compliance provides strong password protection and superior data security, keeping your data safe.

Enhanced Reliability : Highlighted by a 2 million hours MTBF and supported by a 5-year limited warranty⁵, this SSD promises a cost-efficient ownership experience.

DataCenter NAS **D60** SSD

Specifications			
Capacity	480GB	960GB	1920GB
Interface	PCIe Gen4 x 4, NVMe 1.4 Backward Compatible to PCIe Gen3	PCIe Gen4 x 4, NVMe 1.4 Backward Compatible to PCIe Gen3	PCIe Gen4 x 4, NVMe 1.4 Backward Compatible to PCIe Gen3
NAND Flash	3D eTLC	3D eTLC	3D eTLC
Form Factor	M.2 2280-D	M.2 2280-D	M.2 2280-D
Performance			
Sequential Read (Max, MB/s) Sustained, 128KB QD32 ¹	6000	6000	6000
Sequential Write (Max, MB/s) Sustained, 128KB QD32 ¹	700	1400	2000
Random Read (Max, IOPS) Sustained, 4KB QD256 ¹	450,000	750,000	800,000
Random Write (Max, IOPS) Sustained, 4KB QD256 ¹	20,000	50,000	60,000
Endurance/Reliability			
Total Bytes Written (TB)	920	1900	3800
DWPD (Drive Write Per Day) ²	1	1	1
UBER ⁴	< 1 sector per 10 ^{^17} bits read	< 1 sector per 10 ^{^17} bits read	< 1 sector per 10 ^{^17} bits read
MTBF (Hours)	2,000,000	2,000,000	2,000,000
Warranty, Limited (years) ⁵	5	5	5
Power			
Power Supply	3.3V	3.3V	3.3V
Active Read (RMS, Max.) Unit: W	10.5	11.55	11.55
Active Write (RMS, Max.) Unit: W	6.5	9.5	11.55
Idle Unit: W	4	4	4.2
Environmental			
Temperature, Operating Internal (°C)	0°C – 70°C	0°C – 70°C	0°C – 70°C
Temperature, Nonoperating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C

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Capacity	480GB	960GB	1920GB
Dimension			
Length (mm)	80	80	80
Width (mm)	22	22	22
Height (mm)	4.08	4.08	4.08

1. Performance is gauged with FIO on Linux, employing 4KB random writes at a queue depth of 256 (QD32, 8 workers) over the entire drive on an Ubuntu 20.04.2 LTS OS PCIe Gen4 system. Read/write speeds vary based on device, interface, usage, among other factors, potentially lowering actual performance.

2. DDPD (Drive Write Per Day) ; Test based on a JESD219A enterprise workload.

Warranty is 5 years. DDPD (Drive Write Per Day) = TBW/ (365 x 5 years x User capacity)

3. The TCG Pyrite feature, which offers password security to safeguard user data, is optional and dependent on the firmware version.

4. UBER (Uncorrectable Bit Error Rates) means the uncorrectable error per bits read.

5. Warranty: 5 years or 'Percentage Used', determined via addlink's toolbox or CrystalDiskInfo. For details, see Warranty Policy."



HEADQUARTER

6F., No. 300, Ruiguang Rd., Neihu Dist., Taipei
City 114, Taiwan (R.O.C.)

CONTACT INFORMATION

TEL : +886-2-8797 3116
FAX : +886-2-8797 3522

addlink
addlink.com.tw