**ADD-SSDHL256GB-D8**
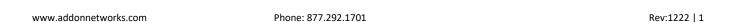
256GB M.2 2280 PCIe Gen 3 x4 NVMe 1.3 SSD

**Features:**

- Built-in LDPC ECC provides the most-powerful data correction level in use today
- End-to-end data path protection
- Data shaping increases endurance
- StaticDataRefresh ensures data integrity
- Global wear-leveling evens program/erase counts across data blocks to extend lifespan
- Host Memory Buffer (HMB) supported (OS/driver support Required)
- SLC caching accelerates burst performance
- L1.2 power mode support for ultra-low power consumption
- NVMe Security Erase support
- NVMe Deallocate function support (NVMe equivalent of TRIM command)
- High-reliable 3D TLC NAND Flash
- S.M.A.R.T. support
- User-upgradeable firmware
- Temperature sensor
- Operating Temperature: 0°C to 70°C
- Power Consumption (Idle): 0.3W
- Power Consumption (Active): 4.5W
- Max sequential speeds and IOPS measured using CrystalDiskMark 6.0.2 x64
- RoHS, FCC, CE Complaint

**Product Description**

This Industry Standard 256GB SSD is 100% guaranteed to be compatible with your system and to work right the first time. Transferring large files or storing your data has never been easier. Our products are also guaranteed by federal law to not affect or void OEM warranties. We stand behind the quality of our products and proudly offer a 3-yr warranty.

AddOn's SSDs are RoHS compliant and lead-free.

## Specifications

| Parameter | |
|---|---|
| Form Factor | M.2 (2280) |
| Capacity | 256TB |
| Memory Components | 3D TLC NAND Flash |
| Interface | PCIe Gen3 x4 NVMe 1.3 |
| Controller | Silicon Motion SM2263XT |
| Height | 3.8mm |
| Width | 80.0mm |
| Depth | 22.0mm |
| Weight | 7g |
| Maximum Sequential Read | Up to 2010Mbps |
| Maximum Sequential Write | Up to 1250Mbps |
| 4KB Random Read | Up to 200,000 IOPS |
| 4KB Random Write | Up to 260,000 IOPS |
| Seek Time | <0.1ms |
| Total Btes Written | 150TB |
| MTBF | 1,500,000 Hours |
| Operating Temperature | 0˚C to 70˚C |
| Storage Temperature | -40˚C to 85˚C |
| Maximum Shock Resistance | 1500G |
| Power Supply | 3.3V DC |
| Idle Power Consumption | 0.3W |
| Active Power Consumption | 4.5W |

**About AddOn Networks**

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is in engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.

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