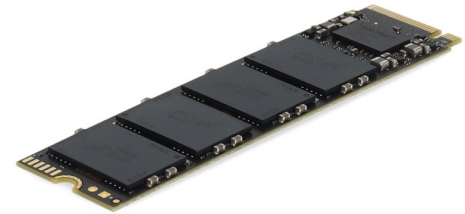**ADD-SSDTS1TB-D8**

1TB M.2 2280 PCIe Gen 3 x4 NVMe 1.4 SSD

Features:

- Built-in LDPC ECC provides the most-powerful data correction level in use today
- End-to-end data path protection
- 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 NAND Flash
- S.M.A.R.T. support
- Temperature sensor
- Operating Temperature: 0°C to 70°C
- Power Consumption (Idle): 0.3W
- Power Consumption (Active): 3W
- RoHS, FCC, CE Complaint

Product Description

This Industry Standard 1TB 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	1TB
Memory Components	3D NAND Flash
Interface	PCIe Gen3 x4 NVMe 1.4
Controller	InnoGrit IG5216
Height	3.8mm
Width	80.0mm
Depth	22.0mm
Weight	7g
Maximum Sequential Read	Up to 3300Mbps
Maximum Sequential Write	Up to 2900Mbps
Seek Time	<0.1ms
Total Bytes Written (TBW)	500TB
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	3W

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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