CL1 Series

M.2 2280 | NVMe PCIe SSD

KEY BENEFITS

- High Performance NVMe PCIe
- Low latency
- Slim form factor— M.2 2280
- LDPC technology
- 128GB/256GB/512GB/1TB

APPLICATIONS

- Office Workloads
- SQL Logging
- PC Caching
- Boot

BREAK THE SATA BARRIER

Meet the perfect solid-state drive solution for boot and caching needs. The CL1 SSD Series with the M.2 PCIe interface boosts your systems' performance by accelerating responsiveness, increasing productivity, and improving efficiency. NVMe delivers dramatic speed improvement as much as 7x faster than SATA SSDs. CL1 delivers superior speed with random read/write performance of up to 140,000/200,000 IOPS.

SMALL BUT POWERFUL

With its small M.2 form factor, CL1 fits easily into a motherboard, no problem. Built to store your data efficiently and securely no matter what the file type, it operates more effectively than SATA SSDs, while also consuming less power.

THE FIRMWARE ADVANTAGE

Our teams works closely with industry-leading chip manufacturers to develop solutions specific to your needs. With customized proprietary firmware, our SSD will provide superior performance at consistent speeds for years to come.

QUALITY YOU CAN TRUST

Designed and manufactured in-house, we have dedicated teams and on-site testing capabilities for component and compatibility verification. This process ensures the quality each SSD and ability to operate successfully in a wide range of complex hardware and operating system environments.

CL1 Series | NVMe PCIe SSD

	CL1-8D128	CL1-8D256	CL1-8D512	CL1-8D1024
Configuration				
Capacity	128GB	256 GB	512 GB	1TB
Interface	NVMe PCIe Gen 3 x4			
Form Factor	M.2 2280			
Performance				
Sequential Read/Write[1]	1,400/800 MB/s	2,000/1,300 MB/s	2,000/1,300 MB/s	2,000/1,300 MB/s
4K Random Read/Write[1]	90K/140K IOPS	140K/200K IOPS	140K/200K IOPS	140K/200K IOPS
Reliability				
Power on/off cycles	50,000			
MTBF[3]	2 million hours			
Warranty	3 Years			
TBW	80	160	320	640
Features				
ECC	LDPC Gen 3 Engine			
S.M.A.R.T.	Supported			
NVMe Deallocate	Supported			
TCG-OPAL 2.0	Optional			
Power Consumption				
Idle/Active Mode	0.4 W/4 W			
Sleep Mode	5mW			
Environment				
Operating Temperature	0 to 70° C			
Non-operating Temperature	-40 to 85° C			
Power-On Ready[3]	500 ms			

Specifications and data are subject to change without notice. Product image is sample only. Not actual product.

[1] Based on internal testing, performance, may vary depending on host device, OS and application [2] UBER - Unrecovered Bit Error Rate [3] MTBF - Mean Time Between Failures based on parts stress analysis [4] Standard 3-year warranty

For more information, please visit:

ssstc.com