

Industrial

CL4 Series

M.2 2230/2242/2280 | NVMe™ PCIe® SSD



KEY BENEFITS

- High Performance NVMe PCIe
- Low latency
- Slim form factor
- LDPC technology

APPLICATIONS



Office Workloads



SQL Logging



PC Caching



Boot

PCIe GEN 4 ADVANTAGE

Meet the perfect solid-state drive solution for boot and caching needs. The CL4 SSD series boasts the latest PCIe Gen 4 x4 interface that delivers 2x faster data transfers rates than the Gen 3 version, up to 16GT/s. CL4 delivers superior speed with random read/write performance of up to 450,000/400,000 IOPS.

SMALL BUT POWERFUL

With its small M.2 form factor, CL4 takes up less space and can easily fit into today's ultra-thin notebooks. Built to store your data efficiently and securely, CL4 supports NVMe protocol providing better performance than SATA SSD to reduce latency, increase IOPs and lower power consumption.

THE FIRMWARE ADVANTAGE

Our teams work closely with industry-leading chip manufacturers to develop solutions specific to your needs. With customized proprietary firmware, CL4 will provide superior performance at consistent speeds for years to come.

ENHANCE ENDURANCE WITH LDPC

Take advantage of the latest improvement in error correction with LDPC. LDPC has greater correction power than conventional BCH, so the life of the drive will last longer.

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.



CL4 Series NVMe™ PCIe® SSD

	CL4-3D256 CL4-4D256 CL4-8D256	CL4-3D512 CL4-4D512 CL4-8D512	CL4-3D1024 CL4-4D1024 CL4-8D1024
Configuration			
Capacity	256 GB	512GB	1 TB
Interface	NVMe PCIe Gen 4 x4		
Form Factor	M.2 2230/ M.2 2242/M.2 2280		
Performance			
Sequential Read/Write ¹	3,200/2,100 MB/s	3,500/2,100 MB/s	3,700/2,600 MB/s
4K Random Read/Write ¹	400K/350K IOPS	400K/350K IOPS	450K/400K IOPS
TBW	340	680	1360
Reliability			
Power on/off cycles	50,000		
MTBF ³	> 3 million hours		
Warranty	3 Years		
Features			
ECC	LDPC Gen 4 Engine		
S.M.A.R.T.	Supported		
NVMe Deallocate	Supported		
TCG-OPAL 2.0	Optional		
Power Consumption			
Typical	4W		
Sleep Mode	5mW		
Environment			
Operating Temperature	0 to 70° C		
Non-operating Temperature	-40 to 85° C		
Power-On Ready ³	500 ms		

Compliance with RoHS directive

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

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

For more information, please visit:

ssstc.com

HEADQUARTERS

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