



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
CL4-8D240*

CL4-3D512
CL4-4D512
CL4-8D512
CL4-8D480*

CL4-3D1024
CL4-4D1024
CL4-8D1024
CL4-8D960*

Configuration

Capacity	256 GB/240GB*	512GB/480GB*	1 TB/960GB*
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

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.	Support
NVMe Deallocate	Support
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.

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



Solid State Storage Technology Corporation (SSSTC) is a global leader in the design, development, and manufacturing of Solid State Drives (SSDs). SSSTC offers customized solutions to PC Client, Industrial Solutions, Enterprise/Data Center, and Cloud and Edge Computing markets.
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