CA3 Series

M.2 2280 | NVMe PCIe SSD

KEY BENEFITS

- High performance PCIe NVMe
- Lower latency
- Small form factor
- LDPC technology
- Best for boot

APPLICATIONS

- Financial Transactions
- SQL Logging
- Email/Messaging Servers
- Online Transaction Processing (OLTP)
- E-Commerce
- Boot

SIGNIFICANT PERFORMANCE BOOST

Meet the perfect SSD for your boot and caching needs. CA3 Series with NVMe boosts your systems performance by accelerating application responsiveness, increasing productivity, and improving energy efficiency. NVMe delivers dramatic speed improvement as much as 7x faster than SATA SSDs. CA3 delivers superior speeds at 4KB random read/ write performance of up to 380,000/260,000 IOPS .

SMALL BUT POWERFUL

With its small M.2 form factor, CA3 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.

HIGH RELIABILITY

Designed and manufactured in-house, we have dedicated teams and on-site testing and verification facilities. This ensures the reliability and compatibility of each SSD to various complex hardware and operating system environments. Our engineers control and carry out all stages of the development process including the most thorough testing method to guarantee high quality.

THE FIRMWARE ADVANTAGE

Our teams work closely with industry-leading chip manufacturers to develop solutions specific to your needs. With customized proprietary firmware, CA3 will provide superior performance at consistent speeds for years to come.

CA3 Series NVMe PCIe SSD

	CA3-8D256	CA3-8D512	CA3-8D1T
Configuration			
Capacity	256 GB	512 GB	1 TB
Interface	NVMe PCIe Gen 3 x4		
Form Factor	M.2 2280: 80mm x 22mm x 3.65mm @ 10g Max		
Performance			
Sequential Read/Write[1]	2800/1000 MB/s	3000/1900 MB/s	3000/2000 MB/s
4K Random Read/Write[1]	150K/150K IOPS	300K/260K IOPS	380K/260K IOPS
Reliability			
Power on/off cycles	50,000		
MTBF[3]	>3 million hours		
Warranty	3 Years		
Features			
S.M.A.R.T.	Supported		
ECC	LDPC Gen 3 Engine		
NVMe Deallocate	Supported		
TCG-OPAL 2.0	Supported		
Power Consumption			
Idle/Active	1.4 W/8W		
Environment			
Operating Temperature	0 to 70° C		
Non-operating Temperature	-40 to 85° C		
Power-On Ready[3]	300 ms		
Resume from DEVSLP	100 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] MTBF - Mean Time Between Failures based on parts stress analysis [3] Assumes that drive had normal shutdown process previously with STANDBY IMMEDIATE command

For more information, please visit:

ssstc.com

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