CA5 Series

M.2 2280　|　NVMe PCIe SSD

KEY BENEFITS

- High Performance NVMe PCIe
- Low latency
- Slim form factor— M.2 2280
- LDPC technology

APPLICATIONS

Office Workloads

SQL Logging

PC Caching

Boot

SIGNIFICANT PERFORMANCE BOOST

Meet the perfect SSD for your boot and caching needs. CA5 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. CA5 delivers superior performance at 4KB random read/write speeds of up to 300,000/275,000 IOPS.

SMALL BUT POWERFUL

With its small M.2 form factor, CA5 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, CA5 will provide superior performance at consistent speeds for years to come.

CA5 Series NVMe PCIe SSD

	CA5-8D256	CA5-8D512	CA5-8D1024
Configuration			
Capacity	256 GB	512 GB	1TB
Interface		NVMe PCIe Gen 3 x4	
Form Factor		M.2 2280	
Performance			
Sequential Read/Write[1]	3200/1600 MB/s	3300/2100 MB/s	3300/2100 MB/s
4K Random Read/Write[1]	250K/250K IOPS	300K/275K IOPS	300K/275K IOPS
Reliability			
Power on/off cycles		50,000	
MTBF[3]		2 million hours	
Warranty		3 Years	
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		Max 1.4 W/8W	
Sleep Mode		10mW	
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] UBER - Unrecovered Bit Error Rate [3] MTBF - Mean Time Between Failures based on parts stress analysis

For more information, please visit:

ssstc.com