



CA6 Series

M.2 2280 | NVMe PCIe SSD

KEY BENEFITS

- PCIe Gen 4 x4
- Low latency
- Slim form factor— M.2 2280
- Power Efficiency

APPLICATIONS



Office Workloads



SQL Logging



PC Caching



Boot

PCIe GEN 4 ADVANTAGE

The CA6 SSD series boasts of the latest PCIe Gen 4 x4 interface that delivers 2x faster data transfers rates than the Gen 3 version, up to 16GT/s, making it ideal for data center and high-speed consumer applications. CA6 delivers superior speeds at 4KB random read/write performance of up to 500K/500K IOPS.

SMALL BUT POWERFUL

With its small M.2 form factor, CA6 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

We work 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.

CA6 Series NVMe™ PCIe SSD

	CA6-8D256	CA6-8D512	CA6-8D1024	CA6-8D2048
Configuration				
Capacity	256 GB	512 GB	1TB	2TB
Interface	NVMe PCIe Gen 4 x4			
Form Factor	M.2 2280			
Performance				
Sequential Read/Write ¹	5500/1800 MB/s	6800/3600 MB/s	6800/4800 MB/s	6800/4800 MB/s
4K Random Read/Write ¹	400K/450K IOPS	500K/500K IOPS	500K/500K IOPS	500K/500K IOPS
Reliability				
Power on/off cycles	50,000			
MTBF ³	>2,000,000 hours			
Warranty	3 Years			
Features				
ECC	Advanced LDPC ECC Engine			
S.M.A.R.T.	Supported			
NVMe TRIM (Deallocate)	Supported			
TCG-OPAL 2.0	Optional			
Power Consumption				
Idle/Active Mode	Max 2 W/8W			
Sleep Mode (L1.2 State)	5mW			
Environment				
Operating Temperature	0 to 70° C			
Non-operating Temperature	-40 to 85° C			
Power-On Ready ³	1s (Power on to ready time assumes proper shutdown)			
Resume from PS4	50 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

For more information, please visit:

ssstc.com

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