



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

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

For more information, please visit:

[ssstc.com](http://ssstc.com)

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