CV1 Series

2.5″/M.2 | SATA 6Gb/s SSD

KEY BENEFITS

- High Performance
- Low Power Consumption
- Low TCO
- Best for Boot Application

APPLICATIONS

- Financial Transactions
- E-Commerce
- Boot

SIGNIFICANT PERFORMANCE BOOST

The CV1 SSD Series helps boost your systems' performance by accelerating application responsiveness thereby increasing productivity and improving power efficiency. This simple upgrade delivers superior random read/write speeds up to 80,000/77,000 IOPS. Operating more efficiently than traditional hard drives, CV1 consumes less power, extending battery life.

BEST FOR BOOT

Critical programs needed to launch a server, including Operating Systems (OS), reside on the boot drive. The CV1 Series is built to speed up boot times from minutes to mere seconds.

FORM FACTOR FLEXIBILITY

It comes in two form factors, M.2 and 2.5", for better flexibility. The CV1 M.2 version fits easily into today's ultra-thin notebooks.

THE FIRMWARE ADVANTAGE

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

CV1 Series SATA 6Gb/s SSD

	CV1-SB32	CV1-SB64	CV1-SB128	CV1-8B64	CV1-8B128	CV1-8B256	CV1-8B512	CV1-CC128	CV1-CC256	CV1-CC512
Configuration										
Capacity	32GB	64GB	128GB	64GB	128 GB	256 GB	512 GB	128 GB	256 GB	512 GB
Interface	SATA 6 Gb/s (Compatible to 1.5/3.0 Gb/s)									
Form Factor	M.2 2242			M.2 2280					2.5"	
Performance										
Sequential Read/Write[1]	260/40 MB/s	490/80 MB/s	520/160 MB/s	520/80 MB/s	520/160 MB/s	520/320 MB/s	520/450 MB/s	520/160 MB/s	520/320 MB/s	520/450 MB/s
4K Random Read/Write[1]	25K/10.5K IOPS	35K/18K IOPS	60K/34K IOPS	50K/18K IOPS	60K/34K IOPS	67K/68K IOPS	75K/75K IOPS	60K/34K IOPS	80K/68K IOPS	80K/75K IOPS
Reliability										
Power on/off cycles	50,000									
MTBF[3]	2 million hours									
Features										
S.M.A.R.T.	Supported									
TRIM Command	Supported									
Password Protection	Supported									
Power Consumption										
Idle/Active	0.7 W/3W									
Environment										
Operating Temperature	0 to 70° C									
Non-operating Temperature	-40 to 85° C									
Power-On Ready[3]	500 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 [4] Standard 3-year warranty

For more information, please visit:

ssstc.com

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