



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	64GB	128GB	256GB	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
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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.

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 ⁴Standard 3-year warranty

For more information, please visit:

ssstc.com

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