



CV8 Series

2.5"/M.2 | SATA 6Gb/s SSD

KEY BENEFITS

- Low Power Consumption
- Low TCO
- Best for Boot Application
- RAIFE

APPLICATIONS



Financial Transactions



SQL Logging



Email/Messaging Servers



Online Transaction Processing (OLTP)



E-Commerce



Boot

SIGNIFICANT PERFORMANCE BOOST

The CV8 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 90,000/70,000 IOPS. Operating more efficiently than traditional hard drives, CV8 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 CV8 Series is built to speed up boot times from minutes to mere seconds. It comes in two form factors, M.2 and 2.5", for better flexibility.

REDUNDANT ARRAY OF INDEPENDENT FLASH ELEMENTS (RAIFE)

RAIFE enables next generation error correction and data protection capabilities. Every data on the SSD is protected by parity, so data can be recovered beyond standard ECC protection.

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.

CV8 Series SATA 6Gb/s SSD

	CV8-8E128	CV8-8E256	CV8-8E512	CV8-CE128	CV8-CE256	CV8-CE512
Configuration						
Capacity	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 2280 (80 mm x 22 mm x 3.65 mm)			2.5"		
Performance						
Sequential Read/Write ¹	550/380 MB/s	550/450 MB/s	550/450 MB/s	550/380 MB/s	550/450 MB/s	550/450 MB/s
4K Random Read/Write ¹	70K/40K IOPS	90K/68K IOPS	90K/70K IOPS	70K/40K IOPS	90K/68K IOPS	90K/70K 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

HEADQUARTERS

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