



Industrial SSD CVB Series

2.5" / M.2 2280 | SATA 6 Gb/s SSD

KEY BENEFITS

- Low Power Consumption
- Low TCO
- Best for Boot Application
- RAIFE
- 128GB/256GB/512GB/1TB

APPLICATIONS



Financial Transactions



SQL Logging



Email/Messaging
Servers



Online Transaction
Processing (OLTP)



E-Commerce



Boot

SIGNIFICANT PERFORMANCE BOOST

The CVB 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 90,000/80,000 IOPS. Operating more efficiently than traditional hard drives, CVB 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 CVB 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 of 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 works 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.

CVB Series | SATA 6Gb/s SSD

Industrial SSD

	CVB-8D128	CVB-8D256	CVB-8D512	CVB-8D1024	CVB-CD128	CDB-CD256	CVB-CD512	CVB-CD1024
Configuration								
Capacity	128 GB	256 GB	512 GB	1 TB	128 GB	256 GB	512 GB	1 TB
Interface	SATA 6Gb/s							
Form Factor	M.2 2280				2.5"			
Performance								
Sequential Read/Write ¹	550/380 MB/s	550/470 MB/s	550/510 MB/s	550/510 MB/s	550/380 MB/s	550/470 MB/s	550/510 MB/s	550/510 MB/s
4K Random Read/Write ¹	70K/40K IOPS	90K/68K IOPS	90K/70K IOPS	90K/80K IOPS	70K/38K IOPS	90K/68K IOPS	90K/70K IOPS	90K/80K IOPS
Reliability								
Power on/off cycles	50,000							
MTBF ²	2 million hours							
TBW ³	170	310	500	970	170	310	500	970
Features								
S.M.A.R.T.	Supported							
TRIM Command	Supported							
Password Protection	Supported							
Power Consumption								
Idle	Max 5 mW							
Active	Max 0.25 W							
Environment								
Operating Temperature	0 to 70° C							
Non-operating Temperature	-40 to 85° C							
Power-On Ready	500 ms							
Resume from DEVSUP	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 ²MTBF - Mean Time Between Failures based on parts stress analysis.

³The TBW (Total Bytes Written) value is derived from JEDEC client workload. ⁴Standard 3-year warranty

For more information, please visit:

ssstc.com

HEADQUARTERS

12F, 392, Ruey Kuang Road, Neihsu,
Taipei 114, Taiwan R.O.C

© 2020 Solid State Storage Technology Corporation. All rights reserved.

Solid State Storage Technology Corporation, a global leader in the design, development, and manufacturing of Solid State Drives (SSDs). We offer customized solutions to PC Client, Industrial Solutions, Enterprise/Data Center, and Cloud and Edge Computing markets.

All trademarks and registered trademarks are the property of their respective owners.