



# Industrial SSD CVB Series(WT)

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

## KEY BENEFITS

- Low Power Consumption
- Low TCO
- Best for Boot Application
- RAIFE
- Wide Temperature
- 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 (WT) | SATA 6Gb/s SSD Industrial SSD

|                                    | CVB-8D128        | CVB-8D256    | CVB-8D512    | CVB-8D1024   | CVB-CD128    | CVB-CD256    | CVB-CD512    | CVB-CD1024   |
|------------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Configuration</b>               |                  |              |              |              |              |              |              |              |
| 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"         |              |              |              |
| <b>Performance</b>                 |                  |              |              |              |              |              |              |              |
| Sequential Read/Write <sup>1</sup> | 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 <sup>1</sup>  | 38K/32K IOPS     | 50K/60K IOPS | 50K/60K IOPS | 60K/70K IOPS | 38K/32K IOPS | 50K/60K IOPS | 50K/60K IOPS | 60K/70K IOPS |
| <b>Reliability</b>                 |                  |              |              |              |              |              |              |              |
| Power on/off cycles                | 50,000           |              |              |              |              |              |              |              |
| MTBF <sup>2</sup>                  | >3 million hours |              |              |              |              |              |              |              |
| TBW <sup>3</sup>                   | 170              | 310          | 500          | 970          | 170          | 310          | 500          | 970          |
| <b>Features</b>                    |                  |              |              |              |              |              |              |              |
| S.M.A.R.T.                         | Supported        |              |              |              |              |              |              |              |
| TRIM Command                       | Supported        |              |              |              |              |              |              |              |
| Password Protection                | Supported        |              |              |              |              |              |              |              |
| <b>Power Consumption</b>           |                  |              |              |              |              |              |              |              |
| Idle                               | Max 5 mW         |              |              |              |              |              |              |              |
| Active                             | Max 0.25 W       |              |              |              |              |              |              |              |
| <b>Environment</b>                 |                  |              |              |              |              |              |              |              |
| Operating Temperature              | -25 to 85° C     |              |              |              |              |              |              |              |
| Non-operating Temperature          | -40 to 85° C     |              |              |              |              |              |              |              |
| Power-On Ready                     | 500 ms           |              |              |              |              |              |              |              |
| Resume from DEVSLEEP               | 100 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>MTBF - Mean Time Between Failures based on parts stress analysis.

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

For more information, please visit:

**ssstc.com**

#### HEADQUARTERS

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

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