

CVC Series

SATA 6 Gb/s SSD

Key Features

- Wide Temp Like Support
- M.2 Types 2242, 2280, and 2.5" Form Factors.
- Fast access and fast transfer rate
- Data integrity
- TCG OPAL 2.01 SED option
- Low power consumption



Ordering Information

| Model | CVC Series |
|---|----------------------------|
| Configuration | |
| Capacity | 128GB~2048GB |
| Interface | SATA 6 GB/s |
| Form Factor | M.2 2242 / M.2 2280 / 2.5" |
| Performance | |
| Sequential Read / Write ¹ (Max.) | 550/510 MB/s |
| 4K Random Read / Write ¹ (Max.) | 65K/75K IOPS |
| Reliability | |
| Power on / off cycle | 50,000 |
| MTBF ² | >3 million hours |
| Features | |
| ECC | Support |
| S.M.A.R.T | Support |
| TCG-OPAL 2.01 | Optional |
| Self-Encrypting Device (SED) | Optional |
| Power Consumption | |
| Typical(Max.) | 1 W |
| DEVSLP | 5 mW |
| Environment | |
| Non-Operating Temperature | -40°C to 85°C |

| Operating Temperature | Form Factor | Capacity (GB) | pSLC | PLP | Model Name* | |
|------------------------------------|-----------------------|---------------------------|---------------------|------------|-------------|------------|
| Standard Temp (0°C to 85°C) | 2.5" | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-CDXXX | |
| | M.2 2280 | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-8DXXX | |
| | M.2 2242 | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-4DXXX | |
| Extended Temp (-25°C to 85°C) | 2.5" | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-CDXXX | |
| | | | | Y | CVC-CUXXXP | |
| | 40/ 80/ 160/ 320/ 640 | Y | N | N | CVC-CUXXXN | |
| | | | | Y | CVC-CUXXXN | |
| | M.2 2280 | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-8DXXX | |
| | | | | Y | CVC-8UXXXP | |
| | 40/ 80/ 160/ 320/ 640 | Y | N | N | CVC-8UXXXN | |
| | | | | Y | CVC-8UXXXN | |
| | M.2 2242 | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-4DXXX | |
| Y | | | | CVC-4UXXXP | | |
| Y | | | | CVC-4UXXXN | | |
| 80/ 320/ 640 | Y | N | N | CVC-SUXXXN | | |
| | | | Y | CVC-SUXXXN | | |
| | | | Y | CVC-SUXXXN | | |
| Industrial Temp (-40°C to 85°C) | 2.5" | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-CVXXX | |
| | | | | Y | CVC-CVXXXP | |
| | 40/ 80/ 160/ 320/ 640 | Y | N | N | CVC-CVXXXN | |
| | | | | Y | CVC-CVXXXN | |
| | M.2 2280 | 128/ 256/ 512/ 1024/ 2048 | N | N | CVC-8VXXX | |
| | | | | Y | CVC-8VXXXP | |
| 40/ 80/ 160/ 320/ 640 | Y | N | N | CVC-8VXXXN | | |
| | | | Y | CVC-8VXXXN | | |
| M.2 2242 | 128/ 512 | N | N | CVC-4VXXX | | |
| | | | Y | CVC-4VXXXP | | |
| | | | 128/ 256/ 512/ 1024 | Y | N | CVC-SVXXX |
| | | | | | Y | CVC-4VXXXP |
| 40/ 160 | Y | N | N | CVC-4VXXXN | | |
| | | | Y | CVC-4VXXXN | | |
| 80/ 320/ 640 | Y | N | N | CVC-SVXXXN | | |
| | | | Y | CVC-SVXXXN | | |

*xxx = density (ex.256GB=256)

¹ Performance based on internal testing, it may vary on different platforms.² MTBF - Mean Time Between Failures based on part stress analysis

All information provided here is subject to change without prior notice.



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

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