

# 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
<b>Configuration</b>	
Capacity	128GB~2048GB
Interface	SATA 6 GB/s
Form Factor	M.2 2242 / M.2 2280 / 2.5"
<b>Performance</b>	
Sequential Read / Write <sup>1</sup> (Max.)	550/510 MB/s
4K Random Read / Write <sup>1</sup> (Max.)	65K/75K IOPS
<b>Reliability</b>	
Power on / off cycle	50,000
MTBF <sup>2</sup>	>3 million hours
<b>Features</b>	
ECC	Support
S.M.A.R.T	Support
TCG-OPAL 2.01	Optional
Self-Encrypting Device (SED)	Optional
<b>Power Consumption</b>	
Typical(Max.)	1 W
DEVSLP	5 mW
<b>Environment</b>	
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-XXXW	
				Y	CVC-CUXXXXP	
	40/ 80/ 160/ 320/ 640	Y	N	CVC-CUXXXXN		
		M.2 2280	128/ 256/ 512/ 1024/ 2048	N	N	CVC-8DXXX-XXXW
	Y				CVC-8UXXXXP	
	40/ 80/ 160/ 320/ 640	Y	N	CVC-8UXXXXN		
		M.2 2242	128/ 256/ 512/ 1024/ 2048	N	N	CVC-4DXXX-XXXW
	Y				CVC-4UXXXXP	
	40/ 160				Y	N
80/ 320/ 640	Y	N	CVC-SUXXXXN			
Industrial Temp (-40°C to 85°C)	2.5"	128/ 256/ 512/ 1024/ 2048	N	N	CVC-CVXXX	
				Y	CVC-CVXXXXP	
	40/ 80/ 160/ 320/ 640	Y	N	CVC-CVXXXXN		
		M.2 2280	128/ 256/ 512/ 1024/ 2048	N	N	CVC-8VXXX
	Y				CVC-8VXXXXP	
	40/ 80/ 160/ 320/ 640	Y	N	CVC-8VXXXXN		
		M.2 2242	128/ 512	N	N	CVC-4VXXX
	256/ 1024 /2048				N	CVC-SVXXXX
	128/ 256/ 512/ 1024				Y	CVC-4VXXXXP
40/ 160	Y	N	CVC-4VXXXXN			
80/ 320/ 640	Y	N	CVC-SVXXXXN			

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

<sup>1</sup> Performance based on internal testing, it may vary on different platforms.<sup>2</sup> 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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