

CVD Series

SATA 6 Gb/s SSD

Key Features

- Features **Direct Write** for sustained, high-intensity write workloads.
- Ideal for video recording, TV recording, surveillance, video production, media streaming, in-vehicle recording, edge sensing, and industrial data logging.
- Prevents speed drops, lag, frame loss, and write interruptions for reliable capture.
- Utilizes Kioxia BiCS FLASH™ 112-layer 3D TLC NAND.
- Low-power design with DevSleep support.
- Maintains data integrity with advanced ECC.
- Secures data with AES 256-bit encryption.



Model	CVD Series
Configuration	
Capacity	128GB~2048GB
Interface	SATA 6 GB/s
Form Factor	M.2 2280 / 2.5"
Performance¹	
Sustained Sequential Read / Write ² (Max.)	500/260 MB/s
4K Random Read / Write (Max.)	26K/47K IOPS
Reliability	
MTBF ³	3 million hours
Features	
Direct Write	Yes
Power Loss Protection	FW
Characteristic	
Power Consumption (typ.)(Max.)	1.3W
Environment	
Operating Temperature	0°C to 85°C
Non-Operating Temperature	-40°C to 85°C

Ordering Information

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	Y	CVD-CDXXX
	M.2 2280	128/ 256/ 512/ 1024/ 2048	N	Y	CVD-8DXXX

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

¹ Performance based on internal testing, it may vary on different platforms.² Here indicates the sustained performance with sequential workloads.³ 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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