

CL6 Series

PCI Express® Gen4 x4

Key Features

- The World's First Industrial-grade SSD Features KIOXIA's Sixth Generation BiCS FLASH™
- TCG-Opal 2.01 compliance and XTS-AES 256 Encryption
- M.2 2230 / M.2 2242 / M.2 2280 form factors
- Fast transfer rate with low power consumption
- LDPC latest error-correcting technology



Model	CL6 Series
Configuration	
Capacity ¹	256GB~2TB
Interface	NVMe™ PCIe® Gen 4x4
Form Factor	M.2 2230 / M.2 2242 / M.2 2280
Performance	
Sequential Read / Write ² (Max.)	6,000 / 5,300 MB/s
4K Random Read / Write ² (Max.)	900K / 900K IOPS
Reliability	
Power on / off cycle	50,000
MTBF ³	>3 million hours
Features	
ECC	LDPC Engine
S.M.A.R.T	Support
NVMe Deallocate	Support
TCG-OPAL 2.01	Support
Power Consumption	
Idle/Active Mode	0.4 W / 6 W
Sleep(PS4)	5 mW
Environment	
Non-Operating Temperature	-40°C to 85°C
Power-On Ready	500 ms

¹ 256 GB and 512 GB SSDs use KIOXIA's 5th Generation BiCS FLASH™.

² Performance based on internal testing, it may vary on different platforms.

³ MTBF - Mean Time Between Failures based on part stress analysis

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

Ordering Information

Operating Temperature	Form Factor	Capacity (GB)	Model Name*
Standard Temp (0°C to 85°C)	M.2 2230	256/ 512/ 1024/ 2048	CL6-3Dxxx
	M.2 2242		CL6-4Dxxx
	M.2 2280		CL6-8Dxxx
Extended Temp (-25°C to 85°C)	M.2 2230	256/ 512/ 1024/ 2048	CL6-3Uxxx
	M.2 2242		CL6-4Uxxx
	M.2 2280		CL6-8Uxxx
Industrial Temp (-40°C to 85°C)	M.2 2230	256/ 512/ 1024/ 2048	CL6-3Vxxx
	M.2 2242		CL6-4Vxxx
	M.2 2280		CL6-8Vxxx

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



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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