

# CL6 Series

PCI Express® Gen4 x4

The CL6 series SSD offers the perfect solid-state drive solution for industrial applications, boot, caching and storage needs. It incorporates advanced features such as NVMe™ Revision 1.4c to boost performance by accelerating responsiveness, increasing productivity, and improving efficiency. Utilizing Host Memory Buffer (HMB) technology, the CL6 operates more efficiently in DRAM-less architecture, reducing both power consumption and space requirements. The CL6 was designed and engineered to meet the most demanding environments, especially in industrial computing, embedding computing, IOT edge computing/devices, boot and storage applications in data centers.

## 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	CL6-3D256 CL6-4D256 CL6-8D256	CL6-3D512 CL6-4D512 CL6-8D512	CL6-3D1024 CL6-4D1024 CL6-8D1024	CL6-3D2048 CL6-4D2048 CL6-8D2048
<b>Configuration</b>				
Capacity <sup>1</sup>	256 GB	512 GB	1 TB	2 TB
Interface	NVMe™ PCIe® Gen 4x4			
Form Factor	M.2 2230 / M.2 2242 / M.2 2280			
<b>Performance</b>				
Sequential Read / Write <sup>2</sup>	4,000 / 3,000 MB/s	4,800 / 4,000 MB/s	6,000 / 5,000 MB/s	6,000 / 5,300 MB/s
4K Random Read / Write <sup>2</sup>	350K / 700K IOPS	650K / 850K IOPS	650K / 800K IOPS	900K / 900K IOPS
Endurance (TBW)	200	300	600	1,200
<b>Reliability</b>				
Power on / off cycle	50,000			
MTBF <sup>3</sup>	3 million hours			
Warranty <sup>4</sup>	3 years			
<b>Features</b>				
ECC	LDPC Engine			
S.M.A.R.T	Supported			
NVMe Deallocate	Supported			
TCG-OPAL 2.01	Supported			
<b>Power Consumption</b>				
Typical	4.5W			
Sleep(PS4)	3mW			
<b>Environment</b>				
Operating Temperature	0°C ~ 70°C			
Non-Operating Temperature	-40°C ~ 85°C			
Power-On Ready	500 ms			

Specifications and data are subject to change without notice. Product image is sample only. Not actual product.

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

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

<sup>3</sup> MTBF - Mean Time Between Failures based on part stress analysis

<sup>4</sup> The information regarding product life, applicable warranty, and warranty period should be clearly stated and included in the purchase agreement.



SOLID STATE STORAGE  
TECHNOLOGY CORP.

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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