

ER3 Series

SATA 6 Gb/s SSD

Key Features

- Support immersion cooling
- E2E Data Protection
- AES256
- Temperature Sensor
- Power Loss Data Protection with Capacitor Self-Test
- Sulfur Resistance
- DWPD \geq 1



Model	ER3 Series
Configuration	
Capacity	240GB~3840GB
Interface	SATA 6 Gb/s
Form Factor	M.2 2280 / 2.5"
Performance	
Sequential Read / Write ¹ (Max.)	520/520 MB/s
4K Random Read / Write ¹ (Max.)	90K/45K IOPS
Latency Read/Write(Min.)	115us/40us
Reliability	
End-to-End Protection	Support
Power Loss Protection	Support
MTBF	> 3 million hours
Endurance	
DWPD(for 5 years)	\geq 1
Power Consumption	
Idle	1.2 W
Read/Write(Max.)	4.5/5 W
Environment (Temperature)	
Non-Operating Temperature	-40 to 85°C

¹ Based on internal testing, performance, may vary depending on host device, OS and application

² MTBF - Mean Time Between Failures based on parts 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 70°C)	M.2 2280	240/ 480/ 960	ER3-GDxxx
	2.5"	240/ 480/ 960/ 1920/ 3840	ER3-CDxxx

*xxx = density (ex.240GB=240)



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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