









# EP7 Series

M.2; E1.L, E1.S | NVMe PCIe SSD

## KEY BENEFITS

- End-to-End Data Protection
- Ultra-low Latencies
- Power Loss Protection
- High Endurance—up to 1.3 DWPD
- Up to 32TB (E1.L); up to 8TB (E1.S);  
Up to 2TB (M.2)
- Fully compatible with OCP NVMe  
Cloud SSD Spec V1.0

## APPLICATIONS

-  Cloud Storage
-  Cloud Gaming
-  Edge Computing
-  Hybrid Cloud
-  High Performance Computing (HPC)
-  IOT

## ENTERPRISE GRADE PERFORMANCE

The EP7 Enterprise grade PCIe SSD Series is a power-efficient solution that comes in three form factors—M.2, E1.L and E1.S. It offers a host of performance enhancing features such as: **Data Recovery, Digital FW Signature, OTF FW Update, PLP, Sanitize, T10-DIF, Streams Directive, Telemetry and Zone Namespace** to name a few. EP7 is also fully compatible with **OCP NVMe Cloud SSD Spec V1.0**. It delivers superior random read/write speeds of up to 650,000/80,000 IOPS. With ultra-low latencies reaching up to 30/30  $\mu$ s, the EP7 is undeniably the perfect solution for data center and hyperscale storage environment.

## END-TO-END PROTECTION

From the instant the data is stored on our SSD, its integrity is double checked on multiple points along the data path. This guards against data corruption errors.

## POWER LOSS PROTECTION

Power outages are a nightmare, but EP7 helps reduce data loss from this universal problem with the Power Loss Protection circuit. In the event of an unsafe power failure, this mechanism enables the drive to save all cached data before eventually shutting down.

## TOP-TIER ENDURANCE

The EP7 offers up to 1.3 Drive Writes Per Day (DWPD) over three years life. With EP7, you can enjoy maximized SSD lifetime and minimized purchase costs and operating expenses.

# EP7 Series NVMe PCIe SSD

	M.2		E1.L		E1.S		
<b>Configuration</b>							
Capacity	1 TB	2 TB	16 TB	32 TB	2 TB	4 TB	8 TB
Interface	NVMe PCIe Gen 3 x4						
Form Factor	M.2 22110		E1.L 18mm	E1.L 9.5mm	E1.S		
<b>Performance</b>							
Sequential Read/Write <sup>1</sup>	3,000/1,200 MB/s	3,200/1,800 MB/s	3,000/2,000 MB/s	3,000/2,000 MB/s	3,000/1,700 MB/s	3,000/1,700 MB/s	3,000/2,000 MB/s
4K Random Read/Write <sup>1</sup>	550K/60K IOPS	650K/70K IOPS	550K/40K IOPS	550K/40K IOPS	650K/70K IOPS		
Latency Read/Write <sup>1</sup>	30/30 $\mu$ s						
<b>Reliability</b>							
UBER <sup>2</sup>	1 in 10 <sup>17</sup>						
MTBF <sup>3</sup>	2 million hours						
<b>Endurance</b>							
DWPD <sup>4</sup>	1.3 for 3 Years		0.3 for 3 Years		1.3 for 3 Years		
<b>Power Consumption</b>							
Idle	< 2.5 watts				3 watts		
<b>Environment</b>							
Operating Temperature	0 to 55°C						
Non-operating Temperature	-40 to 85°C						

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

<sup>1</sup>Based on internal testing, performance, may vary depending on host device, OS and application <sup>2</sup>UBER - Unrecovered Bit Error Rate <sup>3</sup>MTBF - Mean Time Between Failures based on parts stress analysis

<sup>4</sup>Standard 3-year warranty

For more information, please visit:

**ssstc.com**

#### HEADQUARTERS

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