PJ1 Series

PCI Express® Gen4 x4

The PJ1 series SSD is a cutting-edge storage solution crafted for enterprise and data center applications, catering to various needs including boot, caching, and storage. At the core of this exceptional SSD lies its standout feature - TruePLP technology. It safeguards your critical data even during unexpected power disruptions in data-intensive operations. The PJ1 series SSD is equipped with backup capacitors, ensuring that TruePLP technology preserves your data from any potential loss in the harshest power failure scenarios.

Key Features

- NVMe™ Revision 1.4c Compliance
- 512 Byte & 4 kB Sector Size
- Up to 32 Namespaces
- TCG Opal 2.0 and AES 256 Encryption
- Configurable OP
- TruePLP Technology
- End-to-End Data Path Protection
- RAID Protection
- Digital Signature
- Secure Boot
- Online Firmware Update
- Temperature Sensor



Model	PJ1-GW480 PJ1-GW960 PJ1-GW1920	PJ1-KW960 PJ1-KW1920 PJ1-KW3840	PJ1-GT160S PJ1-GT320S PJ1-GT640S	PJ1-2W3840 PJ1-2W7680	PJ1-9W960 PJ1-9W1920 PJ1-9W3840
Configuration					
Capacity	480/ 960/ 1920 GB	960/ 1920/ 3840 GB	160/ 320/ 640 GB	3840/ 7680 GB	960/ 1920/ 3840 GB
Interface	PCIe® Gen4 x4				
Form Factor	M.2 2280	M.2 22110	M.2 2280	U.2	E1.S
Performance					
Sequential Read(max)[1]	6,000 MB/s	6,500 MB/s	6,000 MB/s	7,000 MB/s	7,000 MB/s
Sequential Write(max)[1]	2,400 MB/s	2,400 MB/s	2,400 MB/s	5,600 MB/s	5,600 MB/s
4K Random Read(max)[1]	750K IOPS	780K IOPS	750K IOPS	850K IOPS	850K IOPS
4K Random Write[1] (Max., Clear/Sustained)	600K/85K IOPS	600K/100K IOPS	600K/85K IOPS	1350K/200K IOPS	1200K/180K IOPS
Reliability					
UBER[2]	1 error in 10^{17} bits transferred				
MTBF[3]	>3 million hours				
End-to-End Data Protection	Support				
TruePLP (Power Loss Protection)	Optional	Support	Optional	Optional	Optional
Endurance					
DWPD[4] (Max.)	1.2	1.2	10	1.2	1.2
Data Retention (EOL)	3 months, 40°c				
Environment					
Operating Temperature	0 to 70°C				
Non-operating Temperature	-40 to 85°C				

[1] Based on internal testing, performance may vary depending on host device, OS, and application.
[2] UBER - Unrecovered Bit Error Rate
[3] MTBF - Mean Time Between Failures based on parts stress analysis
[4] DWPD - Drive Writes Per Day; Standard 5-year warranty

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

SSSTC

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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