

## Technical Specifications

CAPACITY	2TB	4TB
Part Number	CSSD-F2000GBMP700PHXS CSSD-F2000GBMP700PROS	CSSD-F4000GBMP700PNHS CSSD-F4000GBMP700PROS CSSD-F4000GBMP700PHXS
Form Factor	M.2 2280	M.2 2280
Interface	NVMe PCIe Gen5 x4	NVMe PCIe Gen5 x4
Controller	Phison PS5026-E26	Phison PS5026-E26
NAND	3D TLC	3D TLC
DRAM Cache Size	4096MB	8192MB
NAND Cache Size	Dynamic SLC	Dynamic SLC
Encryption	AES 256-bit	AES 256-bit
Trim Support	Supported	Supported
S.M.A.R.T Support	Supported	Supported
Garbage Collection	Supported	Supported
TBW Rating	1400	3000
MTBF	1,600,000hrs	1,600,000hrs
Dev Slp power	PS4 < 85mW	PS4 < 85mW
Average Active Read	11.5W	11.5W
Average Active Write	11.5W	11.5W
Operating Temperature	0° C-70° C	0° C-70° C
Storage Temperature	-40° C-85° C	-40° C-85° C
Operating Humidity	90% RH (40° C)	90% RH (40° C)
Storage Humidity	93% RH (40° C)	93% RH (40° C)
Shock	1500 G	1500 G
Vibration	20Hz-80Hz/1.52mm, 80Hz-2000Hz/20G	20Hz-80Hz/1.52mm, 80Hz-2000Hz/20G
Dimensions	22mm x 80mm x 3mm (SSD) 30mm x 80mm x 20mm (SSD+fan)	22mm x 80mm x 4mm (SSD) 30mm x 80mm x 20mm (SSD+fan)
Sequential Read (CDM) (2) (4)	Up to 14000MB/s	Up to 14000MB/s
Sequential Write (CDM) (2) (4)	Up to 1200MB/s	Up to 12000MB/s
4KB Random Read (3) (4)	Up to 1700K IOPS	Up to 1700K IOPS
4KB Random Write (3) (4)	Up to 1600K IOPS	Up to 1600K IOPS

\* Sequential performance measurements based on CrystalDiskMark v8.0.4. Random performance measurements based on Iometer, 1GB range, 4K data size, QD=32, 16 worker, 4K aligned. Performance may vary based on SSD's firmware version, system hardware & configuration.

\* Thermal throttling will be triggered when the temperature exceeds 76°C Scale decreasing performance.