

Commercial Extended Temp. SSDs

Commercial Extended Temp. SSDs Operates efficiently from -25 °C to 85 °C which offers an optimal solution tailored to customers' specific needs.



Semi-wide Temperature Range

Operates efficiently from -25 °C to 85 °C



Cost Effectiveness

Idea balance of cost and performance



Enhanced Security

TCG Opal 2.0 technology significantly mitigates data leakage risks



Prevent Overheating

Thermal sensor and S.M.A.R.T system to manage temperature



Thermal Throttling

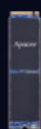
Built-in thermal sensor to monitor the temperature of the SSD via S.M.A.R.T commands and configures the drive with firmware deployment of thermal throttling



TCG Opal 2.0

TCG Opal 2.0 handles the encryption and decryption of information within the device without requiring a host, enabling fast encryption and decryption and minimizing the risk of data leakage

Product Specification



Model	PT250-M280	ST250-M280	ST250-25	ST250-300
Interface	PCIe Gen4 x4	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)
Form Factor	M.2 2280	M.2 2280	2.5"	mSATA(MO-300)
NAND Flash Type	3D TLC (BiCS5)	3D TLC (BiCS5)	3D TLC (BiCS5)	3D TLC (BiCS5)
Capacity	128GB~4TB	128GB~2TB	128GB~2TB	128GB~2TB
External DRAM	No	No	No	No
Seq. Read / Write	3,700/3,485	560/515	560/515	560/515
Rnd. Read / Write	570K/677K	51K/67K	51K/66K	52K/67K
Operating Temp. (°C)	-25°C~85°C	-25°C~85°C	-25°C~85°C	-25°C~85°C
Storage Temp. (°C)	-55°C~100°C	-55°C~100°C	-55°C~100°C	-55°C~100°C
MTBF (Hours)	>3,000,000	>3,000,000	>3,000,000	>3,000,000