

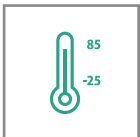


# Commercial Extended Temperature SSDs

Ensuring System Stability Amid  
Fluctuating Temperature Conditions



Commercial Extended Temperature (CET) SSDs operate efficiently from -25°C to 85°C to keep system functioning stably and efficiently without overheating and with enhanced security, all while offering a cost-effective solution.



## High Adaptability

Stable performance while operating from -25°C to 85°C in fluctuating conditions.



## Cost-Effective

Provides reliable performance without breaking your budget at the same time.



## Overheating Prevention

Supports **Thermal Throttling** to manage the device temperature when responding to increased temperature conditions.



## Ensuring Security

Advanced protection with **TCG Opal 2.0**, which is hardware-based encryption to storage devices.

# Product Specification



Model name	PT250-M280	ST250-M280	ST250-25	ST250-300
Form Factor	M.2 2280	M.2 2280	2.5"	mSATA(MO-300)
Interface	PCIe Gen4 x4	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)
NAND Flash Type	3D TLC (BiCS5)	3D TLC (BiCS5)	3D TLC (BiCS5)	3D TLC (BiCS5)
Capacity	128GB~4TB	128GB~2TB	128GB~2TB	128GB~2TB
Max. Sequential R/W (MB/sec.)	3,700/3,485	560/515	560/515	560/515
Max. Random R/W (IOPS)	570K/677K	51K/67K	51K/66K	52K/67K
External DRAM Buffer	No	No	No	No
Operating Temperature (°C )	-25°C~85°C	-25°C~85°C	-25°C~85°C	-25°C~85°C

## Where Data Drives Every Decision

Apacer leads the charge in technology innovation, providing state-of-the-art SSD and DRAM solutions tailored to both consumer and industrial needs. From purpose-driven applications to immersive entertainment, we ensure seamless data storage, fast processing, and unmatched reliability for a wide spectrum of use cases.

At Apacer, we go beyond delivering products — we partner with you to solve challenges, optimize performance, and future-proof your operations. With our commitment to excellence and a focus on empowering businesses and individuals, we help you unlock the full potential of your data.

Access the Best — Where Reliability Meets Innovation.

"At Apacer, innovation is at the heart of everything we do. We're unlocking the full potential of data, no matter where it resides, and delivering transformative solutions that drive business growth and enrich lives worldwide."

Gibson Chen  
President of Apacer

