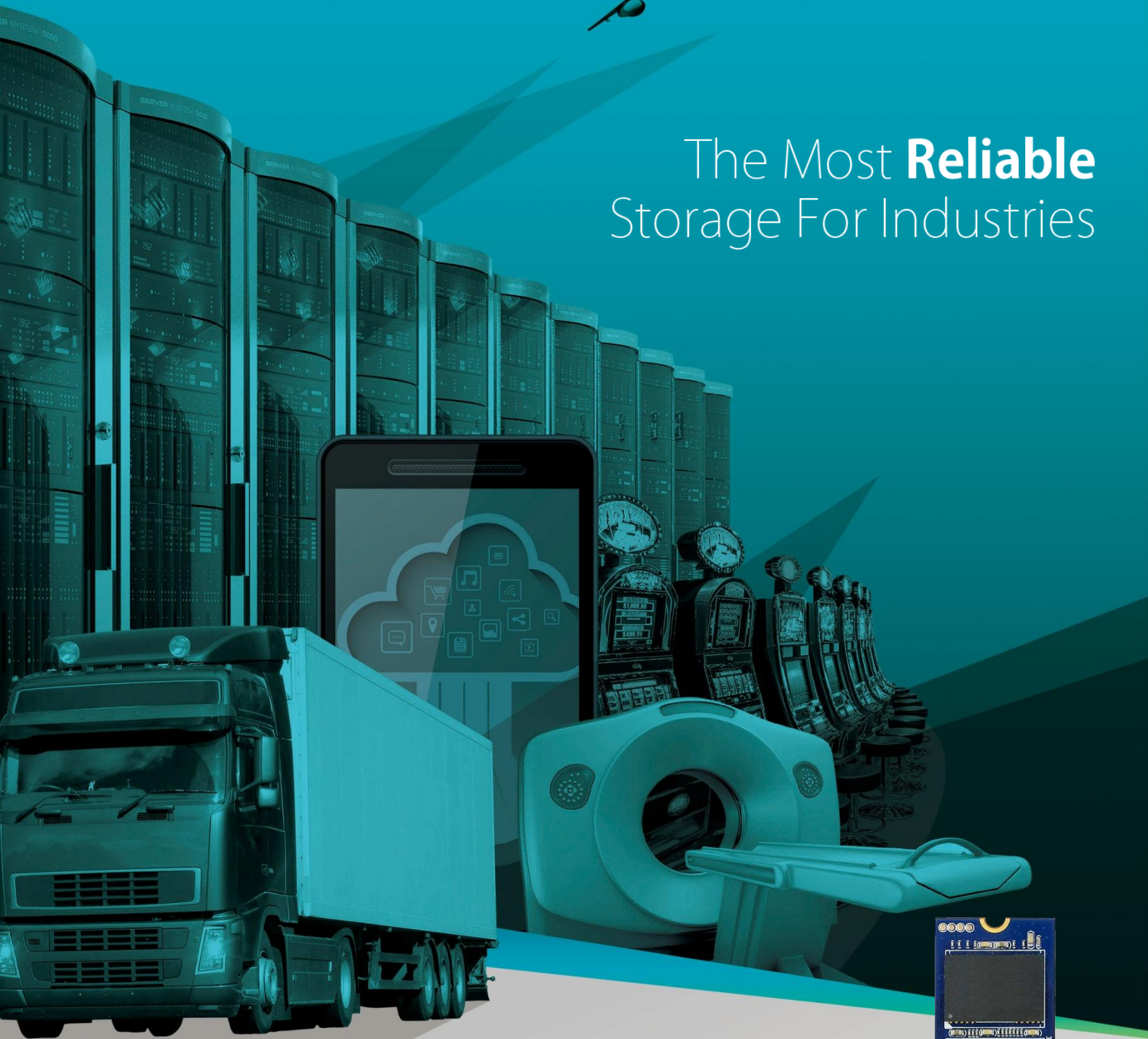
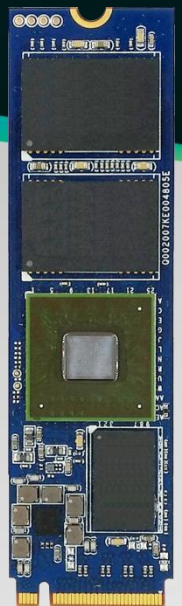


Apacer

The Most **Reliable**
Storage For Industries



PM110-M280



Overview

Apacer PM110-M280 is the next generation modularized Solid State Drive (SSD) with the shape of M.2 2280 form factor. It follows NVMe 1.2 standard and provides full compliance with the latest PCIe Gen3 x4 interface specifications. Aside from PCIe compliance, PM110-M280 delivers outstanding performance up to 2780 MB/s in sequential read and 1405 MB/s in sequential write.

Regarding reliability, PM110-M280 is built with advanced ECC (BCH, 120b/2KB), End-to-End Data Protection scheme and Toshiba 15nm MLC NAND flash, all of which allow Apacer to guarantee at least 3K P/E cycles and ensure data integrity and reliability with the NVMe PCIe SSD.

Besides, PM110-M280 is configured with advanced thermal throttling firmware for temperature management. This protective mechanism can ensure the SSD operates stably in the system in order to increase product reliability.

The exceptional performance and reliability make PM110-M280 the ideal choice for mobile device, cloud computing, and enterprise systems, which appears to be the trend in the near future.



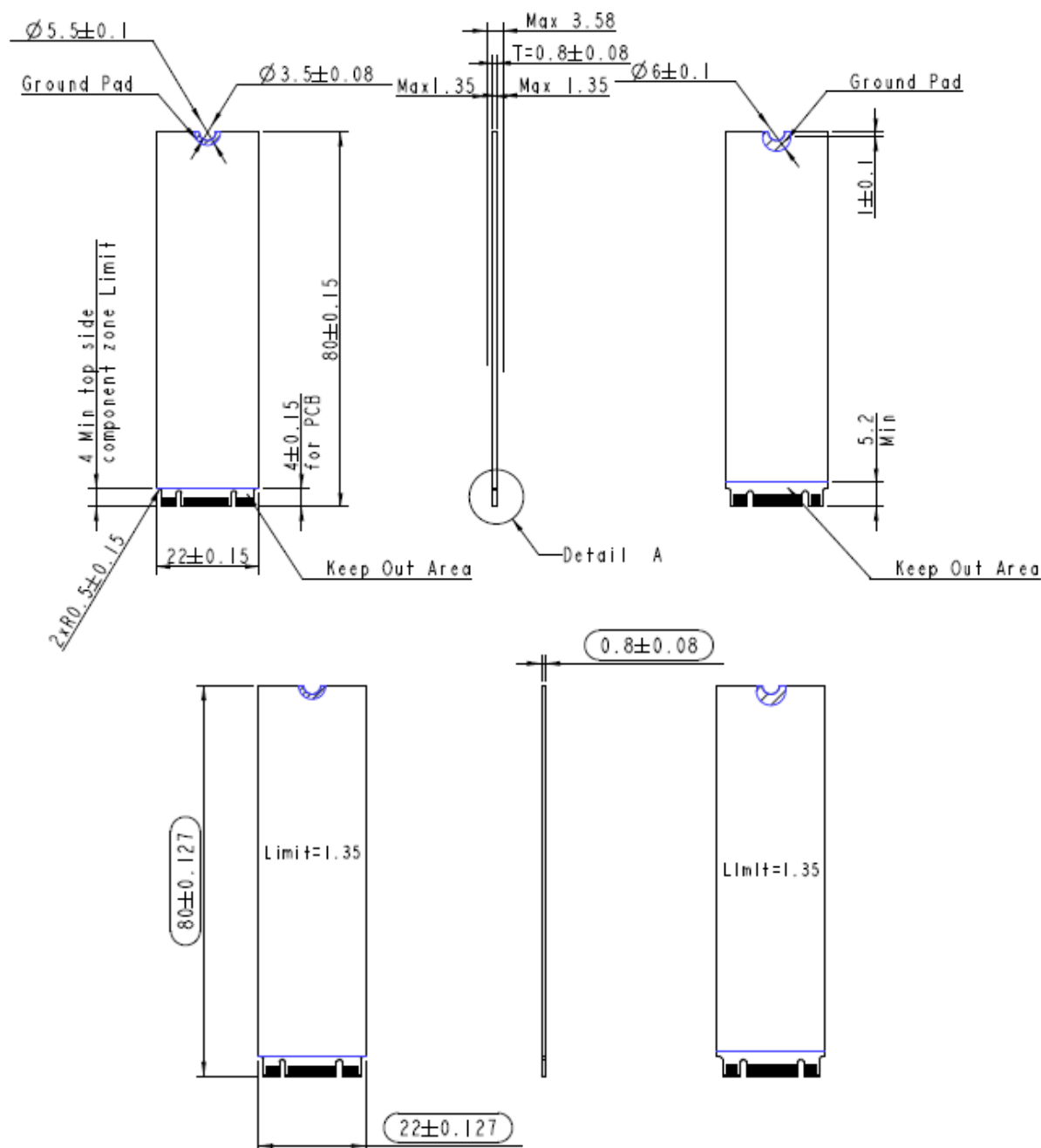
Feature

- Compliant with PCIe Gen.3 x4
- Excellent performance:
Seq. read/write: 2780/1405 MB/s ; 4K rad. read/write: 293K/194K
- End-to-End Data Protection
- Thermal throttling for temperature management

Specifications

Model	PM110-M280
Interface	PCIe Gen.3 x4
Form Factor	2280
NAND Flash Type	MLC
Capacity	128~512GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 2780
Sustained Write Performance (MB/sec)	Up to 1405
ECC Engine	Built-in up to 120-bit per 2K bytes BCH ECC
IOPs (4K Random Write)	Up to 194,000
Standard Operating Temperature (°C)	0 ~ + 70
Storage Temperature (°C)	-40 ~ + 100
Thermal Sensor	Y
Shock	Shock Operation 50 G, 11 ms Non-Operation 1,500G, 0.5ms
Vibration	Operating: Random, 7.69 Grms, 20~2000 Hz/random Non-operating: Sine wave, 15(G), 10~2000 Hz/sine
Operating Voltage	3.3 V ± 5%
Power Consumption	Active mode: 1605 mA & Idle mode: 345mA
Dimension (L x W x H)	80x22x3.8 (mm)
MTBF (hours)	>1,000,000

Mechanical Specification



Contact your Apacer representative for more information

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