Apacer

The Most **Reliable** Storage For Industries

PV930-M280





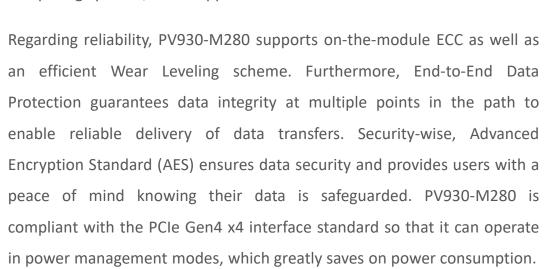
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PV930-M280

Overview

Apacer PV930-M280 is the fastest SSD designed to M.2 2280 mechanical dimensions, providing full compliance with PCle Gen4 x4 interface and NVMe 1.4 specifications.

Built with a powerful PCIe controller, PV930-M280 delivers outstanding performance in data transfer, reaching up to 713,000/633,000 and 5,080/4,735 MB/s in IOPS and sequential read/write. The extreme thin and light form factor makes PV930-M280 the ideal choice for mobile computing systems, which appears to be the trend in the near future.



Feature

- · Low-Density Parity-Check (LDPC) Code
- · Global Wear Leveling
- · Flash bad-block management
- · Flash Translation Layer: Page Mapping
- DataDefender™
- · S.M.A.R.T.
- · TRIM
- · Hyper Cache Technology
- · Over-Provisioning
- · Smart Read Refresh™
- · Signed Firmware



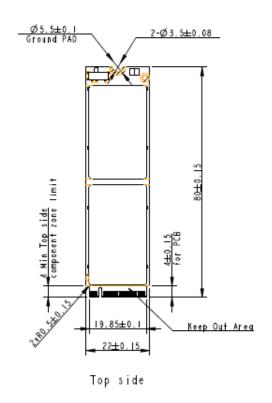


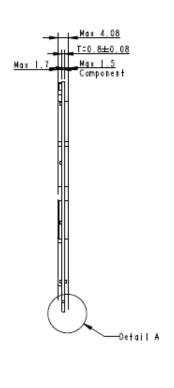
Specifications

Model	PV930-M280
Interface	PCIe Gen4 x4
Connector	M.2 M Key
Form Factor	M.2 2280
NAND Flash Type	3D TLC
Capacity	480GB~1920GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 5080
Sustained Write Performance (MB/sec)	Up to 4735
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	633K
Standard Operating Temperature (°C)	0~+70
Storage Temperature (°C)	-40 ~ + 100
H/W Write Protect	Yes
Thermal Sensor	Yes
Shock	Operation: Acceleration, 50(G)/11(ms)/half sine (compliant with MIL-STD-202G) Non-operation: Acceleration,1,500(G)/0.5(ms)/half sine (compliant with MIL-STD-883K)
Vibration	Operation:7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation:4.02 Grms, 15~2000 Hz/random (compliant with MIL-STD-810G)
Operating Voltage	3.3V ±5%
Power Consumption	Active mode: 2785 mA / Idle mode: 565 mA
Dimension (L x W x H)	22.00 x 80.00 x 4.08 (max) (mm)
MTBF (hours)	>3,000,000



Mechanical Specification





Unit: mm

For more information, contact your Apacer representative

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