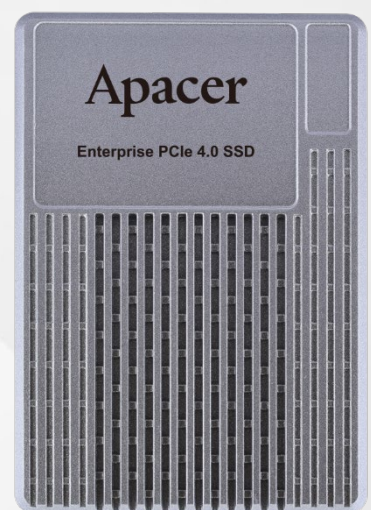


Apacer

The Most **Reliable**
Storage For Industries

PV19E-25W U.3



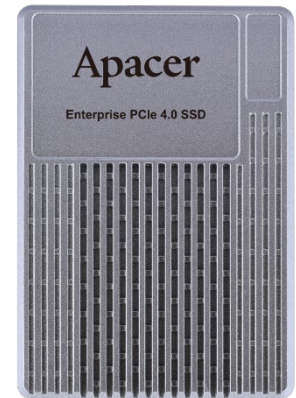
Windows
Server
2019

Certified

PV19E-25W U.3

Overview

PV19E-25W U.3 Solid State Disk (SSD) delivers all the advantages of flash disk technology with PCIe Gen4 x4 interface, including being fully compliant with standard U.2/U.3 form factor, providing low power consumption compared to traditional hard drive and hot-swapping when removing/replacing/upgrading flash disks. PV19E-25W delivers outstanding performance up to 7,000 MB/s (for sequential read) and 6,800 MB/s (for sequential write) based on eTLC NAND flash with the DDR4. Moreover, the power consumption of U.2/ U.3 (15mm) SSD is much lower than traditional hard drives, making it the best embedded solution for new platforms.



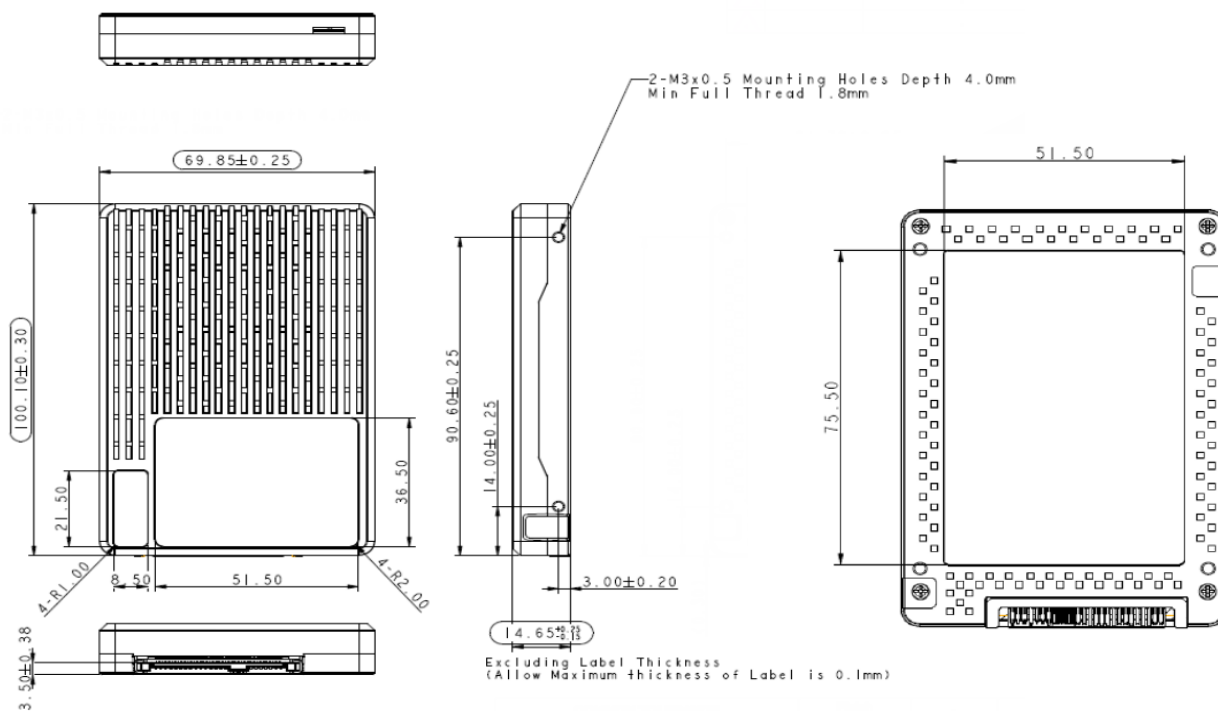
Feature

- Enterprise SSD PV19E-25W
- Core Power
- QoS 99.9%
- Warranty 5 years
- DWPD>3
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- S.M.A.R.T.
- TRIM
- Over-provisioning
- SMART Read Refresh [™]
- NVMe Secure Erase
- Namespace

Specifications

Model	PV19E-25W
Interface	PCIe Gen4 x4
Connector	U.3 (SFF-TA-1001)
Form Factor	U.3 15mm
NAND Flash Type	3D eTLC
Capacity	1600GB~12800GB
External DRAM	Yes
Sequential Read Performance (MB/sec)	Up to 7000
Sequential Write Performance (MB/sec)	Up to 6800
Sustained Read Performance (MB/sec)	Up to 6600
Sustained Write Performance (MB/sec)	Up to 3800
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	480K
Random R/W latency	90/15 μ s
Random R/W QoS	0.10/0.02 ms
Standard Operating Temperature (°C)	0 ~ + 70
Storage Temperature (°C)	-55 ~ + 100
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	12V \pm 10%
Power Consumption	Active mode: 20.8 W/Idle mode: 7.43 W
Inrush current	1.5A
Dimension (L x W x H)	100.10 x 69.85 x 14.65, unit: mm
MTBF (hours)	>3,000,000

Mechanical Specification



Unit: mm

	Nominal(mm)	Tolerance(mm)
Length	100.1	± 0.30
Width	69.85	± 0.25
Height	14.65	+0.25 / -0.15

For more information,
contact your Apacer representative

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