



Model	PV140-25
Interface	PCIe Gen3 x4
Connector	U.2 (SFF-8639)
Form Factor	2.5"
Operation Mode	
Transfer Mode	
NAND Flash Type	3D TLC
Capacity	960GB ~ 7680GB
External DRAM	Yes
Sequential Read Performance (MB/sec)	Up to 3405
Sequential Write Performance (MB/sec)	Up to 1100
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	254K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 85
Housing	
H/W Write Protect	
Screw Hole	
Cable-less Solution	
Thermal Sensor	Yes
Shock	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (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 ± 5%
Power Consumption	Active mode: 670 mA / Idle mode: 200 mA
Dimension (L x W x H)	100.00 x 69.85 x 7.00 (mm)
MTBF (hours)	>3,000,000