



Model	PH920-M280
Interface	PCIe Gen3 x4
Connector	M.2 M Key
Form Factor	M.2 2280 single side, M Key: 160GB M.2 2280 double side, M Key: 320GB, 640GB
Operation Mode	
Transfer Mode	
NAND Flash Type	3D TLC
Capacity	Single side: 160GB Double side: 320GB~640GB
External DRAM	
Sequential Read Performance (MB/sec)	Up to 1740
Sequential Write Performance (MB/sec)	Up to 1530
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	265K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Housing	
H/W Write Protect	Yes
Screw Hole	
Cable-less Solution	
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: 1100 mA / Idle mode: 260 mA
Dimension (L x W x H)	Single side: 22.00 x 80.00 x 2.58 (max) (mm) Double side: 22.00 x 80.00 x 4.08 (max) (mm)
MTBF (hours)	>3,000,000