

PCIe Gen 4.0 NVMe SSD



This Timetec SSD is designed to use the NVMe PCIe interface efficiently during both READs and WRITEs while delivering bandwidth-focused performance. 3D NAND Flash SSD technology enables enhanced boot times, faster application load times, reduced power consumption, and extended reliability.

Main Feature

- 3D NAND Flash Technology
- Advanced HMB Cache Technology
- Supports S.M.A.R.T. and TRIM
- Support Bad Block Management
- Supports Garbage Collection
- Supports Wear-Leveling Technology
- Supports ECC (Error Correction Code)
- Support End-to-End Data Protection



Specifications

Interface	PCIe Gen 4 NVMe 1.4 M.2 2280
Capacity	1TB / 2TB [1]
Voltage	DC +3.3V
Dimensions	80.0 mm x 23.1 mm x 9.2 mm
Weight	34 g
Cache Type	HMB
Performance(R/W)	1TB: 7,400 / 6,100 MB/s 2TB: 7,400 / 6,400 MB/s 4TB: 7,000 / 6,400 MB/s [2]
Controller Brand	Phison
OperationTemperature	0℃ to 70℃
Storage Temperature	-40℃ to 85℃
Operating System	System Requirements: • Windows 11 / 10 / 8 / 7 / Vista or later • Linux 2.6.33 or later
MTBF	1,500,000 hours
Warranty	3-Year Warranty

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes 1024/1024/1024 = 0.93GB

[2] The transfer speed will vary depending on the conditions of the test hardware and software.

Part Number

Capacity	Part Number
1TB	35TT2280GEN4PB-1TBH
2TB	35TT2280GEN4PB-2TBH
4TB	35TT2280GEN4PB-4TBH

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