LEVEL UP YOUR EVERYDAY PERFORMANCE

TITANIUM MICRO

THORIUM TH7175

	Features		
Product	TMNM2Q-TH7175-1TB	TMNM2Q-TH7175-2TB	TMNM2N-TH7175-4TB
Capacity	1TB	2TB	4TB
UPC	850028113318	850028113325	850028113967
Nand	3D NAND		
Controller	Phison E18		
Interface	PCIe Gen4 x4 NVMe 1.4		
Monitoring	NVMe Security Erase Support, NVMe Deallocate Function Support (equivalent of TRIM command)		
Encryption	No	No	Self-encrypting drive (SED)
Sequential Read	Up to 7150MB/s	Up to 7175MB/s	Up to 7200MB/s
Sequential Write	Up to 5600MB/s	Up to 6800MB/s	Up to 6890MB/s
Random 4K Read	Up to 360,000 IOPS	Up to 640,000 IOPS	Up to 660,000 IOPS
Random 4K Write	Up to 645,000 IOPS	Up to 630,000 IOPS	Up to 1,250,000 IOPS
Power Consumption	0.003W (Idle) | 6.6W (Active)		
Power Supply	3.3V DC		
Form Factor	M.2 (2280)		
Dimensions	3.8x80x22mm		
Weight	7g		
Operating Temperature	0°C-70°C		
Non-Operating Temp.	-40°C-85°C		
MTBF	1,600,000 hours		
TBW	700TB	1400TB	3000TB
Shock Resistant	1500G		
Data Correction	Built-in LDPC ECC provides the most-powerful data correction level in use today		
Warranty	7-year warranty		

Side categories: Features, Performance, Physical, Temp, Reliability

22 mm.
80 mm.
1.5 mm.

Profile	A (max)	B (max)
D5	1.50	1.50

All dimensions in mm

Top Side — Bottom Side
Min 4.00 mm — Min 5.20 mm
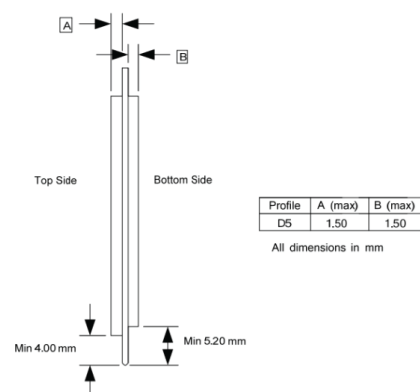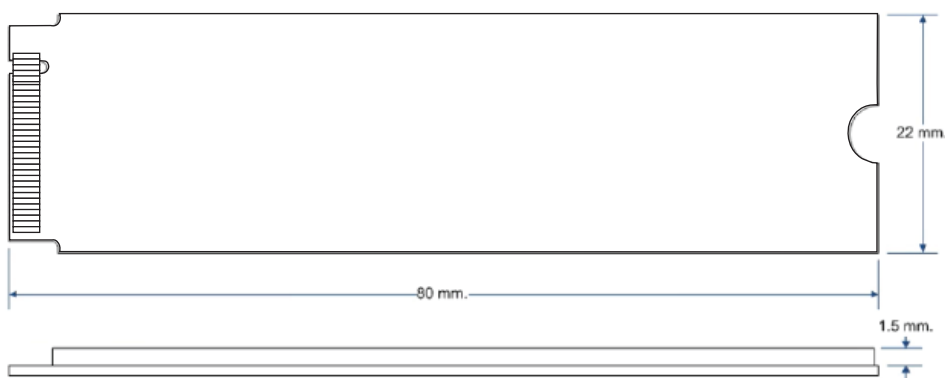
1GB = 1,000,000,000 bytes, 1MB = 1,000,000 bytes
Specifications are subject to change without notice

LEVEL UP YOUR EVERYDAY PERFORMANCE

TITANIUM MICRO
TH7175
NVMe Gen 4 M.2 2280
Solid State Drive

www.titaniummicro.com