

MEMXPRO 2.5" SSD PT31 Series

10K endurance , sustained high speed, no speed dropping

Industrial 3D TLC
10K P/E cycle



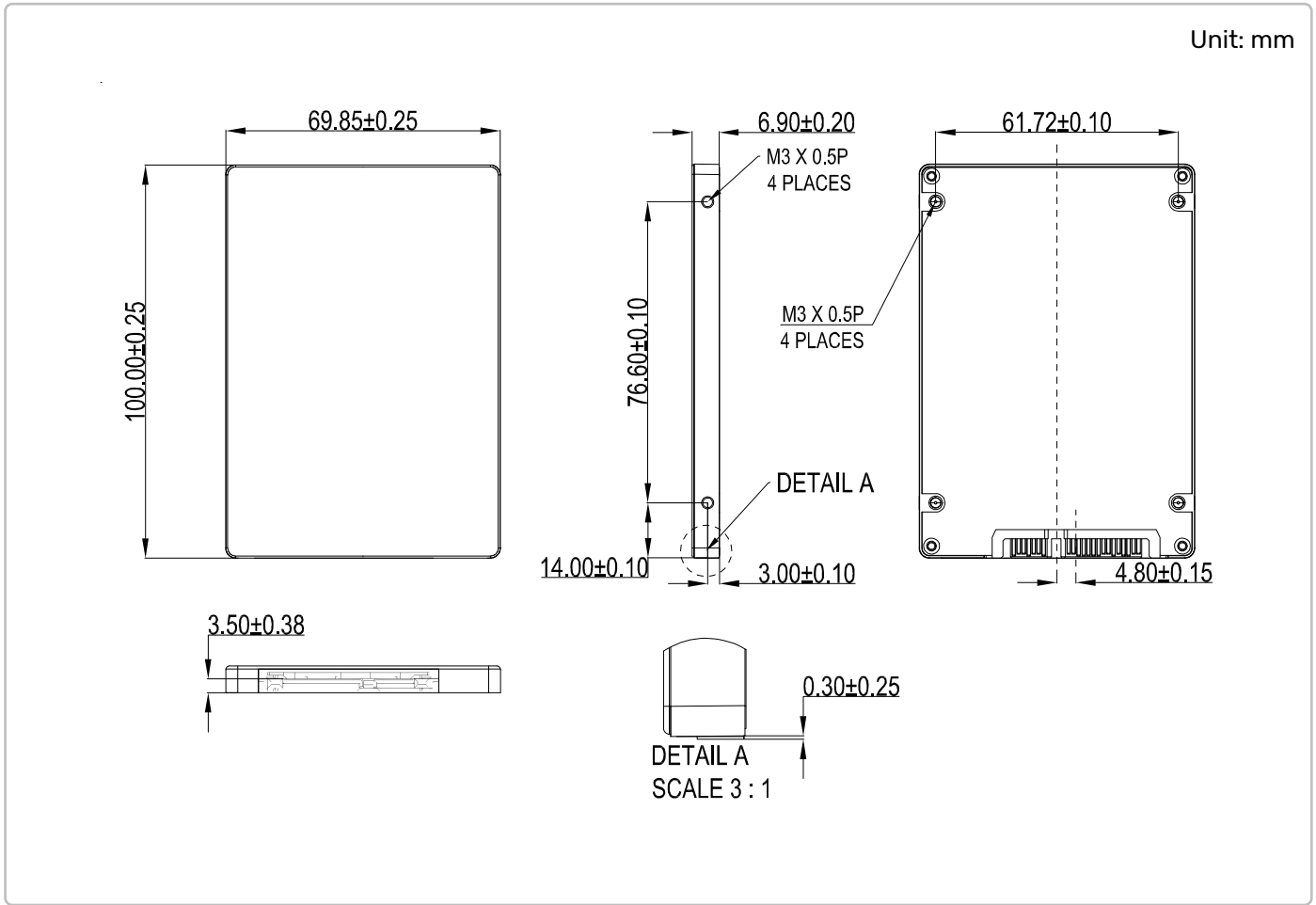
Features

- Industrial SATA III 2.5" SSD, DRAM cache
- Industrial Micron 3D TLC, up to 10K P/E Cycles
- Sustained write performance in direct TLC mode
- Up to 2TB capacity
- Support commercial/extended/wide temp.
- Built-in LDPC ECC, RAID engine and OCP/OVP
- mSMART storage device monitoring

Specification

Product Model	2.5" SSD PT31
Interface	SATA III
Form Factor	2.5" SSD (SFF-8201)
Controller	SMI SM2259
Flash Type	3D TLC (Original Micron B17A)
P/E Cycle	10,000 (Direct TLC Mode)
Max. Channel	4
Density	128GB~2TB
Sequential R/W (MB/sec, max.)	560/525
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	6W (5V x 1200mA)
Dimension (L x W x H/mm)	100x69.85x7
Operating Voltage	5V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	✓
Thermal Sensor	✓
DEVSLP Mode	Optional
Vibration	20G (7~2KHz)
Shock Resistance	1500G@0.5ms
MTBF	>3 million hours

Dimensions



Ordering Information

Capacity	Commercial (0°C~70°C)	Extended (-25°C~+85°C)	Industrial (-40°C~+85°C)
128GB	FPS25-A2GMTS592C1	FPS25-A2GMTS592E1	FPS25-A2GMTS592W1
256GB	FPS25-B5GMTS594C1	FPS25-B5GMTS594E1	FPS25-B5GMTS594W1
512GB	FPS25-E1GMTS594C1	FPS25-E1GMTS594E1	FPS25-E1GMTS594W1
1TB	FPS25-010MTS594C1	FPS25-010MTS594E1	FPS25-010MTS594W1
2TB	FPS25-020MTS594C1	FPS25-020MTS594E1	FPS25-020MTS594W1