

MEMXPRO U.2 PCIe PM31 Series

High Speed PCIe Gen3 x4 & 3D MLC



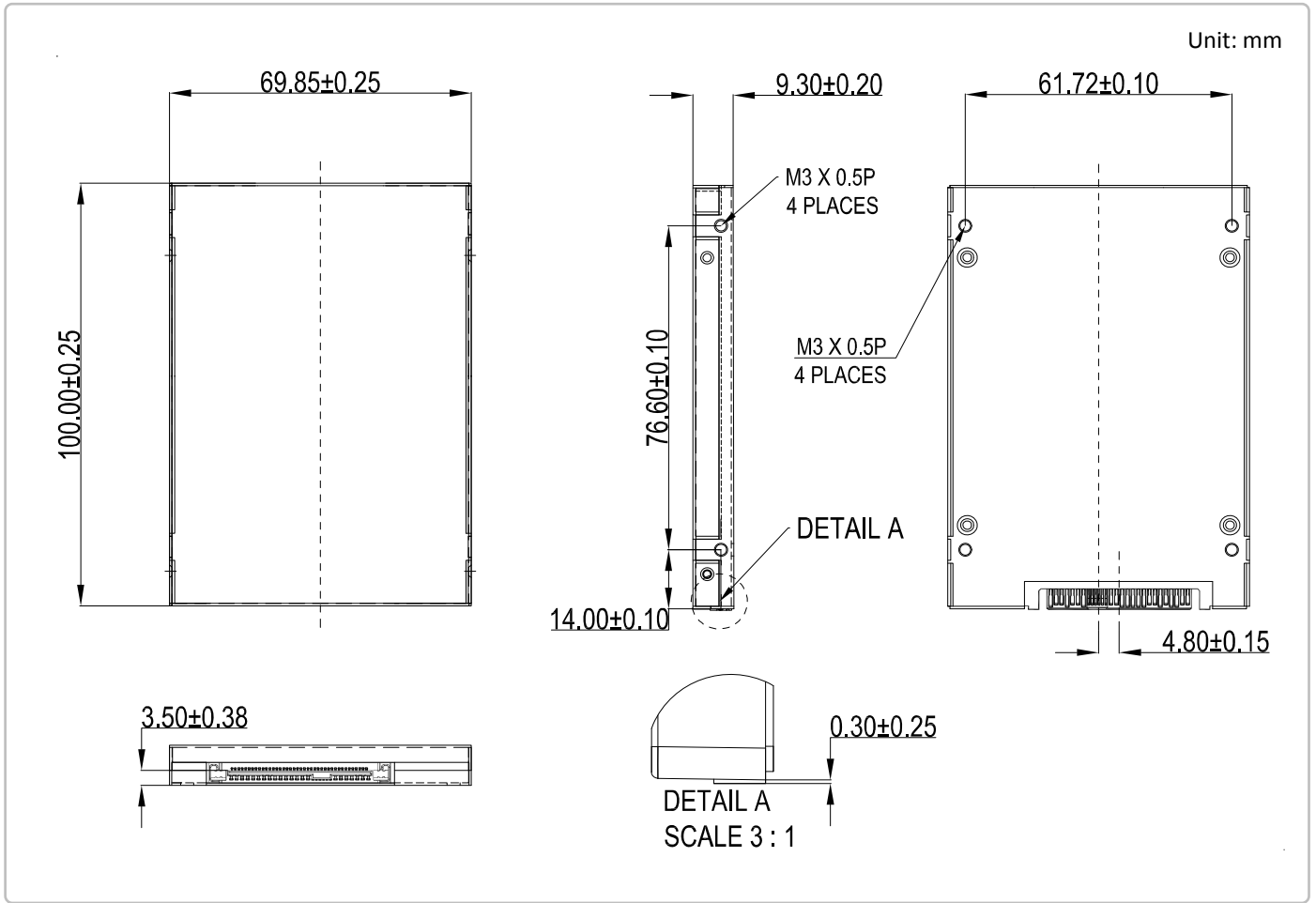
Features

- U.2 2.5" SSD for enterprise application
- High-performance PCIe 3.0 x4 NVMe interface
- 3D MLC NAND flash
- Commercial/extended/wide temp. solutions
- LDPC engine and OCP/OVP
- mSMART storage device monitoring

Specification

Product Model	U.2 PCIe PM31
Interface	PCIe Gen 3 X4
Form Factor	U.2
Flash Type	3D MLC
Max. Channel	8
Density	128GB~512GB
Sequential R/W (MB/sec, max.)	1441/969
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	5.82W (12Vx485mA)
Dimension (L x W x H/mm)	100x70x9.3
Operating Voltage	12V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	✓
Thermal Sensor	✓
DEVSLP Mode	N/A
ATA Security	N/A
S.M.A.R.T.	N/A
TRIM	N/A
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	FPU25-A2GMMS604C1	FPU25-A2GMMS604E1	FPU25-A2GMMS604W1
256GB	FPU25-B5GMMS604C1	FPU25-B5GMMS604E1	FPU25-B5GMMS604W1
512GB	FPU25-E1GMMS604C1	FPU25-E1GMMS604E1	FPU25-E1GMMS604W1