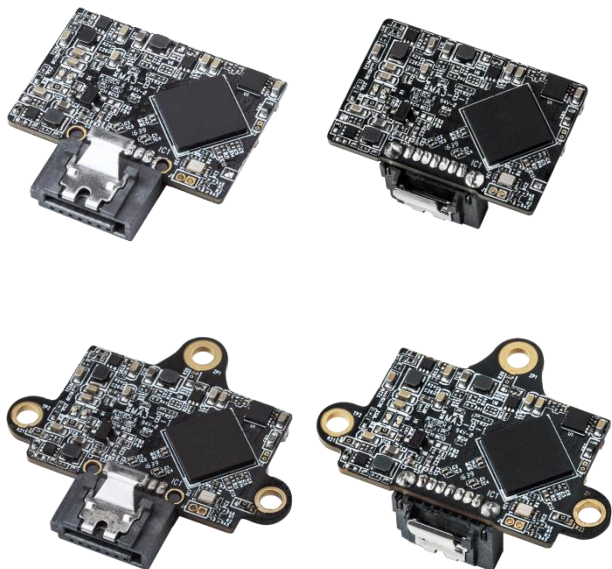


# MEMXPRO SATA Module EM30 Series

Budget-friendly, industrial design



## Features

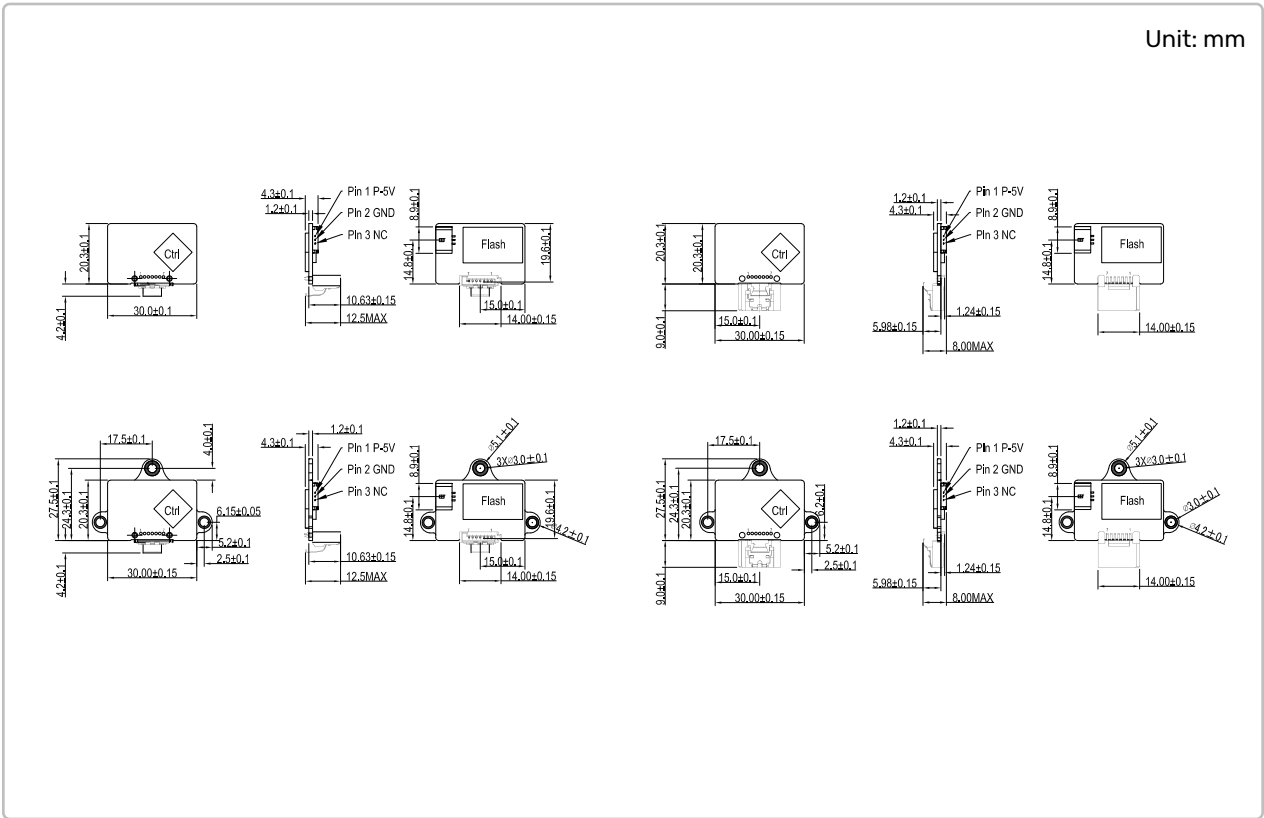
- 7-pin SATA connector design
- MLC, DRAM-less, up to 64GB capacity
- Small form factor with 3 or without screw holes
- Commercial/extended/wide temp. solutions
- Built-in ECC and OCP/OVP
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

## Specification

Product Model	SATA Module EM30			
Interface	SATA III			
Form Factor	Vertical, 3 holes	Horizontal, 3 holes	Vertical, no hole	Horizontal, no hole
Flash Type	MLC			
Max. Channel	2			
Density	16GB~64GB			
Sequential R/W (MB/sec, max.)	348/101			
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C			
Max. Power Consumption	1.25W (5Vx250mA)			
Dimension (L x W x H/mm)	36.5x40.4x8.0	36.5x40.4x12.5	29.3x30.0x8.0	24.5x30.0x12.5
Operating Voltage	5V±5%			
Storage Temperature	-55°C~+95°C			
External DRAM Buffer	N/A			
Thermal Sensor	✓			
DEVSLP Mode	N/A			
ATA Security	✓			
S.M.A.R.T.	✓			
TRIM	✓			
Vibration	20G (7~2KHz)			
Shock Resistance	1500G@0.5ms			
MTBF	>3 million hours			

# Dimensions

Unit: mm



## Ordering Information

### SATA Module EM30 (Vertical, 3 holes)

Capacity	Commercial (0°C–70°C)	Extended (-25°C–85°C)	Industrial (-40°C~+85°C)
16GB	FEDV3-16GMMS4X1C1	FEDV3-16GMMS4X1E1	FEDV3-16GMMS4X1W1
32GB	FEDV3-32GTMS4X2C1	FEDV3-32GTMS4X2E1	FEDV3-32GTMS4X2W1
64GB	FEDV3-64GTMS4X2C1	FEDV3-64GTMS4X2E1	FEDV3-64GTMS4X2W1

### SATA Module EM30 (Horizontal, 3 holes)

Capacity	Commercial (0°C–70°C)	Extended (-25°C–85°C)	Industrial (-40°C~+85°C)
16GB	FEDH3-16GMMS4X1C1	FEDH3-16GMMS4X1E1	FEDH3-16GMMS4X1W1
32GB	FEDH3-32GTMS4X2C1	FEDH3-32GTMS4X2E1	FEDH3-32GTMS4X2W1
64GB	FEDH3-64GTMS4X2C1	FEDH3-64GTMS4X2E1	FEDH3-64GTMS4X2W1

### SATA Module EM30 (Vertical, no hole)

Capacity	Commercial (0°C–70°C)	Extended (-25°C–85°C)	Industrial (-40°C~+85°C)
16GB	FEDV2-16GMMS4X1C1	FEDV2-16GMMS4X1E1	FEDV2-16GMMS4X1W1
32GB	FEDV2-32GTMS4X2C1	FEDV2-32GTMS4X2E1	FEDV2-32GTMS4X2W1
64GB	FEDV2-64GTMS4X2C1	FEDV2-64GTMS4X2E1	FEDV2-64GTMS4X2W1

### SATA Module EM30 (Horizontal, no hole)

Capacity	Commercial (0°C–70°C)	Extended (-25°C–85°C)	Industrial (-40°C~+85°C)
16GB	FEDH2-16GMMS4X1C1	FEDH2-16GMMS4X1E1	FEDH2-16GMMS4X1W1
32GB	FEDH2-32GTMS4X2C1	FEDH2-32GTMS4X2E1	FEDH2-32GTMS4X2W1
64GB	FEDH2-64GTMS4X2C1	FEDH2-64GTMS4X2E1	FEDH2-64GTMS4X2W1