

MEMXPRO SATA Module EB31 Series

SLC like, 20K+ P/E cycles



Features

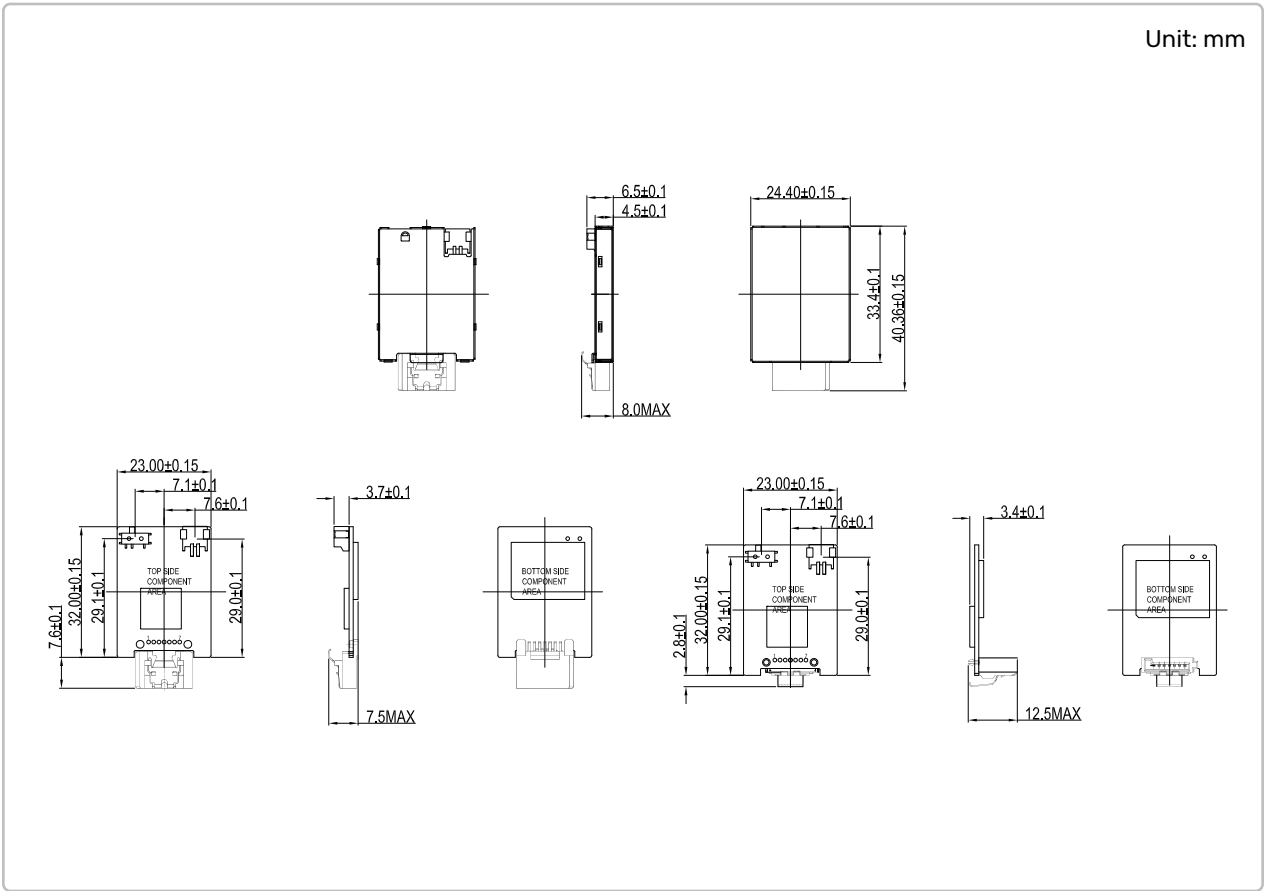
- 7-pin SATA connector design
- StrongMLC, DRAM-less, up to 64GB capacity
- Hardware write protection
- Commercial/extended/wide temp. solutions
- Built-in ECC and OCP/OVP
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

Specification

Product Model	SATA Module EB31		
Interface	SATA III		
Form Factor	Vertical, housing	Vertical, no housing	Horizontal, no housing
Flash Type	StrongMLC		
Max. Channel	2		
Density	16GB-64GB		
Sequential R/W (MB/sec, max.)	354/154		
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)	40.36x24.4x8.0	39.6x23.0x7.5	34.8x23.0x12.5
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 EB31 (Vertical, housing, write protect)

Capacity	Commercial (0°C-70°C)	Extended (-25°C-85°C)	Industrial (-40°C-+85°C)
8GB	FEDV1-08GMBS4X1C1W	FEDV1-08GMBS4X1E1W	FEDV1-08GMBS4X1W1W
16GB	FEDV1-16GTBS4X2C1W	FEDV1-16GTBS4X2E1W	FEDV1-16GTBS4X2W1W
32GB	FEDV1-32GTBS4X2C1W	FEDV1-32GTBS4X2E1W	FEDV1-32GTBS4X2W1W

SATA Module EB31 (Vertical, no housing , write protect)

Capacity	Commercial (0°C-70°C)	Extended (-25°C-85°C)	Industrial (-40°C-+85°C)
8GB	FEDV0-08GMBS4X1C1W	FEDV0-08GMBS4X1E1W	FEDV0-08GMBS4X1W1W
16GB	FEDV0-16GTBS4X2C1W	FEDV0-16GTBS4X2E1W	FEDV0-16GTBS4X2W1W
32GB	FEDV0-32GTBS4X2C1W	FEDV0-32GTBS4X2E1W	FEDV0-32GTBS4X2W1W

SATA Module EB31 (Horizontal, no housing , write protect)

Capacity	Commercial (0°C-70°C)	Extended (-25°C-85°C)	Industrial (-40°C-+85°C)
8GB	FEDH0-08GMBS4X1C1W	FEDH0-08GMBS4X1E1W	FEDH0-08GMBS4X1W1W
16GB	FEDH0-16GTBS4X2C1W	FEDH0-16GTBS4X2E1W	FEDH0-16GTBS4X2W1W
32GB	FEDH0-32GTBS4X2C1W	FEDH0-32GTBS4X2E1W	FEDH0-32GTBS4X2W1W