

# MEMXPRO CFast EM31 Series

Cost-Effective, industrial design



## Features

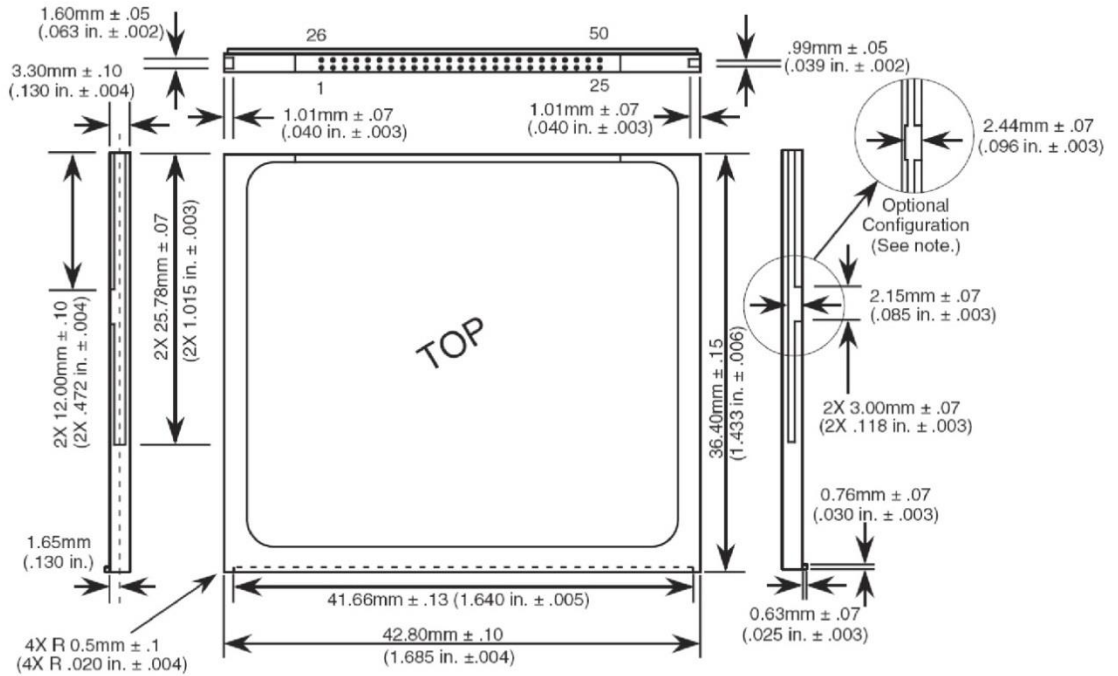
- Industrial SATA III MLC CFast
- Compliant with CFast2.0 standard
- Commercial/extended/wide temp. solutions
- Built-in ECC
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

## Specification

Product Model	CFast EM31
Interface	SATA III
Form Factor	CFast Type I
Flash Type	MLC
Max. Channel	4
Density	16GB-64GB
Sequential R/W (MB/sec, max.)	526/100
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	3.6W (3.3Vx1090mA)
Dimension (L x W x H/mm)	36.4x42.8x3.6
Operating Voltage	3.3V±5%, 5V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	N/A
Thermal Sensor	✓
DEVSLP Mode	<5mW
ATA Security	✓
S.M.A.R.T.	✓
TRIM	✓
Vibration	20G (7~2K Hz)
Shock Resistance	1500G@0.5ms
MTBF	>3 million hours

# Dimensions

Unit: mm



Note: The optional notched configuration was shown in the CF Specification Rev. 1.0. In specification Rev. 1.2, the notch was removed for ease of tooling. This optional configuration can be used but it is not recommended.

# Ordering Information

Capacity	Commercial (0°C~70°C)	Extended (-25°C~+85°C)	Industrial (-40°C~+85°C)
16GB	FECFA-08GTMS4X1C1	FECFA-08GTMS4X1E1	FECFA-08GTMS4X1W1
32GB	FECFA-16GTMS4X2C1	FECFA-16GTMS4X2E1	FECFA-16GTMS4X2W1
64GB	FECFA-32GTMS4X4C1	FECFA-32GTMS4X4E1	FECFA-32GTMS4X4W1