

mSATA SSD



ADATA mSATA SSDs are subjected to ADATA's advance A+ Testing Methodology and SSD Validation to ensure that each SSD meets the exact requirements of industrial applications. This product series is designed with mSATA connector and mini PCIe form factor, complies with JEDEC (MO-300) specifications and can be used with desktops, thin clients, industrial computers, and embedded products.

Key Features

- Higher performance and capacity
- Temperature rating - commercial 0°C to 70°C, industrial: -40°C to 85°C
- High speed MLC NAND Flash
- S.M.A.R.T data integrity verification
- Hardware power detector and Flash protection
- DEVSLP (Device Sleep)



Target Applications

Embedded storage systems, POS, kiosks, gaming, MFP, medical devices and factory automation.

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Lifetime Monitoring (LTM)	Secure Erase	Temperature Sensor	Power Fail Protection & Recovery	Wear Leveling	TRIM	Low Power Consumption
IXM37	●	●	●	●	●	●	●	●	●	●

● Supported



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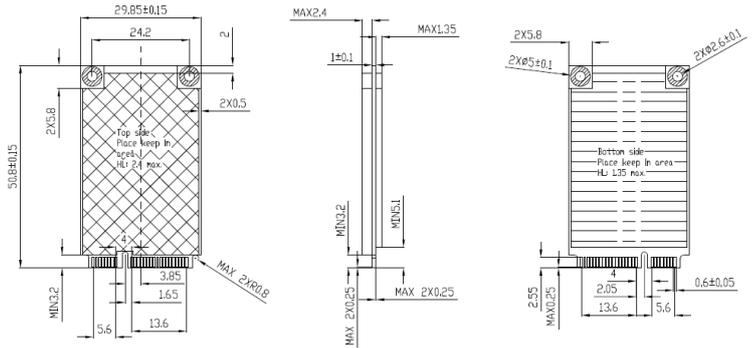
Specifications

Model	IXM37
Interface	MO-300A mSATA
Capacity	16GB-64GB
Flash Type	MLC
Operating Voltage	3.3V
Sequential Read (Max)	Up to 270MB/s
Sequential Write (Max)	Up to 50MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperatures	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
Operating Humidity	5%~95% RH non-condensing
Power Consumption (Max)	1.22W
MTBF (est.)	>1,000,000 hours
Vibration Resistance	20G (10~2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	50.95 x 30 x 4.75mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	MLC	MLC
	0°C to 70°C	-40°C to 85°C
16GB	IXM37-016GM	IXM37-016GT
32GB	IXM37-032GM	IXM37-032GT
64GB	IXM37-064GM	IXM37-064GT

Dimensions



- HL=2.4mm MAX
- HL=1.35mm MAX
- HL=0mm MAX
- HL=0mm MAX