

mSATA SSD



ADATA IMMS331 SATA III 6Gbps MO-300B mSATA mini solid state drives feature finest quality hardware components and include comprehensive internally-supported software, ensuring devices are all fully compliant with JEDEC specifications. Their low power consumption design is intended for industrial applications and takes full advantage of advanced ADATA A+ Testing Methodology, so that drives meet the exacting requirements of industrial and enterprise applications. When it comes to SSD quality, ADATA A+ Testing Methodology guarantees superior functionality and reliability. IMMS331 SSDs undergo the strictest quality controls to provide industrial systems that are the best choice for reliability and rugged performance.

Key Features

- SATA 6Gbps / 3Gbps backwards compatible
- Standard MO-300B form factor
- High reliability and high performance
- High speed MLC NAND Flash
- S.M.A.R.T data integrity verification
- DEVSLP power savings
- Flash management
- Wear leveling prolongs drive lifespan
- Hardware power detector and Flash protection



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
IMMS331	●	●	●	●	●	●	●	●	●	●

● Supported



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Specifications

Model	IMMS331
Interface	MO-300B mSATA mini
Capacity	8GB-256GB
Flash Type	MLC
Operating Voltage	3.3V
Sequential Read (Max)	Up to 500MB/s
Sequential Write (Max)	Up to 300MB/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)	1.2W
MTBF (est.)	>1,500,000 hours
Vibration Resistance	20G (10~2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	26.8 x 30 x 3.8mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	MLC	MLC
	0°C to 70°C	-40°C to 85°C
8GB	IMMS331-008GM	IMMS331-008GT
16GB	IMMS331-016GM	IMMS331-016GT
32GB	IMMS331-032GM	IMMS331-032GT
64GB	IMMS331-064GM	IMMS331-064GT
128GB	IMMS331-128GM	IMMS331-128GT
256GB	IMMS331-256GM	IMMS331-256GT

Dimensions

