

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 | EDS & EMI Safe | Shock & Vibration Resistant | Lifetime Monitoring (LTM) | Temperature Sensor | Power Fail Protection & Recovery | Wear Leveling | Secure Erase | TRIM | Low Power Consumption |
|---------|------------------|----------------|-----------------------------|---------------------------|--------------------|----------------------------------|---------------|--------------|------|-----------------------|
| IMMS331 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

● Supported



mSATA SSD



Specifications

| Model | IMMS331 |
|-------------------------|--|
| Interface | MO-300B mSATA mini |
| Capacity | 8GB / 16GB / 32GB / 64GB / 128GB / 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 0°C to 70°C | MLC -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

