

# E-Disk<sup>®</sup> Altima<sup>™</sup> II 2.5" SATA 6Gb/s SSD M-Series

Extreme Ruggedness, Security,  
and Reliability for Mission Critical  
Applications



BITMICRO<sup>®</sup> E-Disk Altima II M-Series SATA 6 Gb/s SSDs are tested to withstand extreme environmental conditions. When power is unexpectedly disrupted, valuable data is guarded with PowerGuard<sup>®</sup> power loss data protection feature. In the event of a breach, enhanced secure erase feature provides an extra layer of security that erases the drive to prevent unauthorized third-party data access.

E-Disk Altima II M-Series SATA 6 Gb/s SSDs support SMART monitoring and reporting, Native Command Queuing, TRIM, and global wear leveling, ensuring reliability while extending drive life and endurance.

## Applications

E-Disk Altima II M-Series SSDs are ideal for military and industrial applications such as:

- Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance (C4ISR)
- Unmanned Vehicles (Aerial and Naval Drones, UGVs)
- Avionics & Aerospace
- Industrial Automation & Medical Equipment
- Intelligent Pipeline Inspection
- Communications & Networking

## Features

- Verified Rugged
- PowerGuard<sup>®</sup> Power Loss Data Protection
- Power On Data Erase
- AES 256 Support
- TCG Opal Compliant
- TRIM and SMART Monitoring & Reporting

# Product Specification

Physical	
Form Factor	2.5"
Mounting	HDD/SSD standard, all-orientations
Interface	SATA Rev. 3.2
Dimensions (L x H x W)	100mm x 69.85mm x 7mm

Capacity	
Storage Capacity	Up to 4TB depending on NAND type required
NAND Types	BiCS3 3D TLC, SLC Mode Over BiCS3 3D TLC NAND (pSLC)

Performance	
Sequential Read	Up to 550 MB/s
Sequential Write	Up to 520 MB/s

Security	
Power On Data Erase	Supported via SATA Command
AES 256 Encryption	Supported
TCG Opal 2.0 Compliance	Supported

Reliability	
MTBF	> 2, 000, 000

Environmental Operation	
Temperature	-40 to 85 °C
Shock	1,500 G
Vibration	20 Grms
Altitude	0 to 80,000 ft.
Humidity	5 to 95% (non-condensing)

Power	
Voltage	3.6V
Power Loss Data Protection	Supported (Optional)
Power Saving Mode	DEVSLP (Optional)
Power Consumption (Typical R/W @1TB MLC)	Read: 1.8W Write: 3.4W

Warranty	
Standard	1 Year
Extended (Optional)	3 Years

## For more information

Email: [sales@bitmicro.com](mailto:sales@bitmicro.com)

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