

# E-Disk<sup>®</sup> Altima<sup>™</sup> II

## U.2 (2.5") NVMe SSD

### M-Series

Highly Rugged, Secure and Reliable  
for Mission Critical and Operational  
Data



BitMICRO<sup>®</sup> follows a rigorous testing procedure to deliver the highest quality, military-grade products. E-Disk Altima II M-Series SSDs are tested to withstand extreme temperatures, shock, vibration humidity, and altitude. For air, land, sea, space and data they are built to withstand the most demanding military environment.

E-Disk Altima II M-Series SSDs are the new addition to our E-Disk Altima SSD line. PowerGuard<sup>®</sup> technology along with AES encryption and TCG Opal store and secure highly sensitive data.

## Applications

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

- Intelligence, Surveillance & Reconnaissance (ISR)
- Military Unmanned Vehicles (Aerial and Naval Drones, UGVs)
- Aviation, Avionics & Aerospace
- Fixed & Mobile Defense & Deterrent Systems
- Mobile Data Retrieval & Storage Systems
- Fielded Military Equipment
- Simulation & Training Systems

## 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	U.2 (2.5")
Mounting	HDD/SSD standard, all-orientations
Interface	PCIe 3.1 x 4 (U.2), NVMe 1.3
Dimensions (L x H x W)	100.45mm x 69.85mm x 9.5mm

Capacity	
Storage Capacity	BiCS3 3D TLC : Up to 4TB pSLC : Up to 1.2TB
NAND Types	BiCS3 3D TLC NAND, SLC Mode Over BiCS3 3D TLC NAND (pSLC)

Performance	
Sequential Read	Up to 3.2 GB/s
Sequential Write	Up to 3 GB/s

Security	
Power on Data Erase	Supported
AES 256 Encryption	Supported
TCG Opal 2.0 Compliance	Supported

Reliability	
MTBF	> 2, 000, 000
Endurance	Up to 3 PBW (@1TB BiCS3 3D TLC)

Environmental Operation	
Temperature	-40 to 85 °C
Shock	2,000 G
Vibration	20 Grms
Altitude	0 to 80,000 ft.
Humidity	5 to 95% (non-condensing)

Power	
Voltage	12V (+/-8%)
Power Loss Data Protection	Supported (Optional)
Power Saving Mode	APST, ASPM, L1.2
Power Consumption (Typical R/W @1TB BiCS3 3D TLC)	Read: 7.2W Write: 6.1W

Warranty	
Standard	1 Year
Extended (Optional)	3 Years

## For more information

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

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