

# E-Disk® Altima™ II

## U.2 (2.5") NVMe SSD

### M-Series

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



BitMICRO® follows a rigorous testing procedure to deliver the highest quality, military-grade products. E-Disk Altima II 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 environments.

E-Disk Altima II NVMe SSDs are a new addition to our highly popular E-Disk Altima SSD line. They provide PowerGuard® and SecureErase® technologies along with AES encryption and TCG Opal to store and secure highly sensitive military 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

- Built-in & Tested Superior Ruggedness
- Temperature Control Technology
- PowerGuard® Power Loss Data Protection
- SecureErase® Power Loss Data Erase
- SecureErase® Power Loss Mobile Data Erase
- SecurErase® Power on Military Sanitization
- Power On Data Erase via NVMe Format Command
- TRIM and SMART Monitoring & Reporting
- FIPS 140-2 Level 3 Compliant
- AES 256 Support
- TCG Opal Compliant

## Product Specifications

Physical	
Form Factor	U.2 (2.5")
Mounting	HDD/SSD standard, all orientations
Interface	PCIe 3.0 x4 (SFF 8639), NVMe 1.2
Dimensions (L x W x H)	100.45 mm x 69.85 mm x 9.5 mm

Capacity	
pSLC	Up to 1 TB
MLC	Up to 2 TB (4TB optional)
<small>Note: Usable capacity.</small>	

Sustained Performance	
Sequential Read	Up to 2.7 GB/s
Sequential Write	Up to 1.35 GB/s

Security & Encryption	
Power On Data Erase	Supported via NVMe Format Command
SecurErase Power Loss Data Erase	Optional
SecurErase Power Mobile Data Erase	Optional
SecurErase Power On Military Sanitization	Optional
AES 256 Encryption	Supported
FIPS 140-2 Level 3 Compliance	Optional
TCG Opal 2.0 Compliance	Supported

Environmental (Operational)	
Temperature	Military: -60 to 95 °C
Altitude	-1,200 to 120,000 ft
Humidity	5 to 95% (non-condensing)
Shock	1,500 G
Vibration	16.4 Grms

Reliability	
MTBF	> 2,000,000
Endurance	> 16.76 PBW (@1TB pSLC) > 2.79 PBW (@2TB MLC)

Power	
Voltage	12V DC (±8%)
PowerGuard Power Loss Data Protection	Supported (Optional)
Power Savings Modes	APST, ASPM, L1.2
Power Consumption	Read: 5.6 W @ 2TB Write: 7.3 W @ 2TB

Warranty	
Standard	1 year
Extended (Optional)	3 years

### For more Information

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

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