

E-Disk® Altima™ II

2.5" SATA 6Gb/s SSD

I-Series

Rugged, Secured and Reliable
Storage Device for Challenging
Industrial Applications



E-Disk Altima II I-Series SATA 6Gb/s SSDs are built to withstand extreme temperatures, shock, vibration, and altitude. E-Disk Altima II I-Series SSDs can store important information when temperatures, vibration and humidity exceed the tolerances of ordinary SSDs.

AES encryption and TCG Opal ensure that access to data is authorized. PowerGuard® technology provides data consistency when power is unexpectedly disrupted. Additional technologies provide longevity to reliably retain data for extended periods of time. Wear leveling, overprovisioning and garbage collection technologies extend the usable life of E-Disk Altima II I-Series SSDs.

Applications

E-Disk Altima II I-Series SSDs are ideal for industrial applications such as:

- Air, Land, Sea, Space, and Data Applications
- Airborne Surveillance and Content Delivery
- Scientific Field Research
- Communications
- Pipeline and Other Inspection Equipment
- Transportation Monitoring and Inspection
- Unmanned Vehicles
- Manufacturing and Medical Equipment
- Energy, Mining, and Resource Management
- Agriculture, Forestry, and Aquaculture

Features

- Industrial Temperature Control Technology
- PowerGuard® Power Loss Data Protection
- Power On Data Erase
- AES 256 Support
- TCG Opal Compliant
- TRIM and SMART Monitoring & Reporting

Product Specifications

Physical	
Form Factor	2.5"
Mounting	HDD/SSD standard, all orientations
Interface	SATA Rev. 3.2
Dimensions (L x W x H)	100 mm x 69.85 mm x 9.5 mm

Capacity	
MLC	Up to 2 TB
Note: 1TB = 1,000 GB.	

Sustained Performance	
Sequential Read	Up to 560 MB/s
Sequential Write	Up to 490 MB/s

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

Environmental (Operational)	
Temperature	Industrial: -40 to 85 °C
Humidity	0 to 90% (non-condensing)
Shock	1,500 G
Vibration	16.4 Grms

Reliability	
MTBF	> 2,000,000
Endurance	> 4.1 PBW (@2TB MLC)

Power	
Voltage	5V
PowerGuard Power Loss Data Protection	Supported (Optional)
Power Savings Modes	DIPM/HIPM Mode
Active (Read/Write)	Read: 3.2 W @ 2TB MLC Write: 5.4 W @ 2TB MLC

Warranty	
Standard	1 year
Extended (Optional)	3 years

For more information

Email: sales@bitmicro.com

Call: +1 (888) 72-FLASH

These specifications may change from time-to-time. Please contact BitMICRO for the latest specification version