

E-Disk® Altima™

2.5" SATA SSD

E-Disk® Altima™ SSDs set the standard for rugged and reliable data storage in extreme environments.



BitMICRO® follows a rigorous testing procedure to deliver the highest quality, military-grade products. E-Disk Altima SSDs are tested to withstand extreme temperatures, shock, vibration, humidity, and altitudes.

Powered by the BitMICRO EDSA™ flash I/O controller and LUNETATM™ memory flash interface ASICs, E-Disk Altima SSDs boost system performance by eliminating seek time and latency for faster I/O and sustained transfer rates.

Applications

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

- Intelligence, Surveillance & Reconnaissance (ISR)
- Aviation & Avionics
- Pipeline Inspection
- Medical Equipment
- Industrial Automation

Features

- Superior Ruggedness
- PowerGuard® Data Loss Protection
- SecurErase® Power Loss Erase
- SecurErase® Mobile Erase
- Low Voltage Detection
- SecurErase® Military Sanitization

Product Specifications

Physical	
Form Factor	2.5"
Mounting	HDD standard, all orientations
Connector	Device Serial Attachment Connector (SATA Rev. 2.6, 15-Feb-2007)
Dimensions (L x W x H)	3.955" x 2.75" x 0.374"
Weight	3.016 oz. to 9.065 oz.
Notes: - Size and weight numbers are approximate. - Supports SATA IDE mode only.	

Environmental	
Operational Temperature	Commercial: 0 to 70 °C Industrial: -40 to 85 °C
Maximum Temperature Change Rate	3 °C/min
Altitude	-1,200 to 120,000 ft
Humidity	5 to 95% (non-condensing)
Shock	1,500 G
Vibration	16.4G rms

Capacity	
SLC	20 GB to 300 GB
Note: Usable capacity.	

Security	
SecurErase Standard Compliance	NISPOM DoD 5220.22-M NSA 130-2 Air Force AFSSI 5020 Army 380-19 IRIG-106 NISPOMSUP AFSSI 5020/2003 AFSSI 5020/2003 CLR NSA 9-12

Performance	
Burst Rate	300 MB/s

Power	
Voltage	5V DC (±5%)

Warranty	
Standard	1 year
Extended (Optional)	Up to 5 years

Reliability	
Error Correction	Corrects 9 bits per 528 B
Write Endurance	6.74 years @ 100 GB/day write/erase cycles (20 GB drive)

For more Information

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