

E-Disk[®] Altima[™]

3.5" Fibre Channel 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 LUNETATA[™] 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
- Industrial & Embedded
- Pipeline Inspection
- Medical Equipment
- Industrial Automation

Features

- Superior Ruggedness
- PowerGuard[®] Data Loss Protection
- Low Voltage Detection
- SecurErase[®] Military Sanitization

Product Specifications

Physical	
Form Factor	3.5"
Mounting	HDD standard, all orientations
Connector	40-Pin SCA-2 (Level 4 Hot-Swap) Fibre Channel ANSI Standards
Dimensions (L x W x H)	5.75" x 4.00" x 0.536"
Weight	9.360 oz. to 29.394 oz.
Note: Size and weight numbers are approximate.	

Capacity	
SLC	92 GB to 640 GB
Note: Usable capacity.	

Performance	
Burst Rate	800 MB/s

Power	
Voltage	5V (±5%) or 5V/12V (±5%) Autodetect

Reliability	
Error Correction	Corrects 9 bits per 528 B
Write Endurance	27 years @ 100 GB/day write/erase cycles (92 GB drive)

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

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

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

For more Information

Email: sales@bitmicro.com

Call: +1 (888) 72-FLASH