

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, rugged solid state storage products. E-Disk Altima SSDs are tested to withstand extreme temperature, shock, vibration, humidity, and altitude.

E-Disk Altima SSDs protect user data with the highest level of security and meet the stringent requirements demanded by defense and industrial customers.

Powered by 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.

Applications

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

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

Features

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

Product Specifications

Physical

Interface	SATA 2 (SATA Rev. 2.6)
Form Factor	2.5"
Dimensions (L x W x H)	3.955" x 2.75" x 0.374" to 1.00"
Weight	3.016 oz. to 9.065 oz.

Notes:

- Size and weight numbers are approximate.
- Height and weight may vary depending on configuration.

Capacity

SLC	20 GB to 300 GB
-----	-----------------

Note: Usable capacity.

Performance

Burst Rate	300 MB/s
------------	----------

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

Environmental (Operational)

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

Reliability

Error Correction	Corrects 7 bits per 528 B
Write Endurance	6.74 years @ 100 GB/day write/erase cycles (20 GB)

Power

Voltage	5V DC (±5%)
---------	-------------

Warranty

Standard	1 year
Extended (Optional)	Up to 5 years

For more Information

Email: sales@bitmicro.com

Call: +1 (888) 72-FLASH