

E-Disk® Altima™

3.5" U320 SCSI 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 LUNETATM™ 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
- Industrial & Embedded
- Pipeline Inspection
- Medical Equipment
- Industrial Automation

Features

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

Product Specifications

Physical

Interface	Ultra320 SCSI
Form Factor	3.5"
Dimensions (L x W x H)	5.75" x 4.00" x 0.536" to 1.162"
Weight	9.630 oz. to 17.648 oz.

Notes:

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

Capacity

SLC	92 GB to 640 GB
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Note: Usable capacity.

Performance

Burst Rate	320 MB/s
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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)

Power

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

Error Correction	Corrects 7 bits per 528 B
Write Endurance	27 years @ 100 GB/day write/erase cycles (92 GB)

Warranty

Standard	1 year
Extended (Optional)	Up to 5 years

For more Information

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