

# e-disk® Altima™ 2.5" SATA SSD

Think hard.

When it comes to ruggedness, no drive beats e-disk Altima. You can truly take your data anywhere.

E-disk Altima SSDs set the standard for reliable data storage in extreme environments. E-disk Altima SSDs operate under extreme temperatures, shock (1,500 Gs), vibration (16.4 Grms), humidity (5%-95%) and altitude (120,000 ft).

Powered by BITMICRO's 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.

Armed with patented PowerGuard®, Power Loss Erase & Mobile Erase technologies, e-disk Altima drives are the most secure drives on the planet.

BITMICRO provides the highest quality of service you'll experience. Our sales & support teams understand the development cycle and work to service you through your entire project and long after our product has even been deployed in the field.

## Applications

E-disk Altima SSDs are ideal for military and industrial applications such as: ISR, aviation & avionics, industrial & embedded, pipeline inspection, medical equipment, and industrial automation.

## Features

- Extreme ruggedness
- PowerGuard® Data Loss Protection
- Power Loss Erase
- Mobile Erase
- Low Voltage Detection
- SecurErase® Military Sanitization

## Environmental

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

## Security

<b>SecurErase Standard Compliance</b>	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
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## For Information...

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# e-disk<sup>®</sup> Altima<sup>™</sup> 2.5" SATA SSD

## Additional Specifications

### Physical

<b>Form Factor</b>	2.5"
<b>Mounting</b>	HDD standard, all orientations
<b>Connector</b>	Device Serial Attachment Connector (SATA Rev. 2.6, 15-Feb-2007)
<b>Size (L x W x H)</b>	3.955" x 2.75" x 0.374"
<b>Weight</b>	3.016 oz. to 9.065 oz.

Note: Size and weight numbers are approximate. Contact your sales representative for specific measurements and tolerances for your configuration.

### Capacity

<b>SLC</b>	8 to 300 GB
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### Performance

<b>Burst Rate</b>	300 MB/s
<b>Cache</b>	Up to 64 MB

Note: Burst rate is 150 MB/s at industrial temperature.

### Power

<b>Voltage</b>	5V DC (±5%)
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### Reliability

<b>Error Correction</b>	Corrects 9 bits per 528B
<b>Write Endurance</b>	38.36 years @ 100 GB/day write-erase cycles (8 GB drive)

### Compliance

<b>Interface</b>	SATA Rev 2.6
<b>EMC</b>	ICES-003 Issue 4, February 7, 2004 Class A VCCI V-3/2008.04 and V-4/2007.04 Class A AS/NZS CISPR 22: 2006 Class A EN 55022: 2006 – Emissions EN 55024:2003 - Immunity
<b>Safety</b>	UL 60950-1 CSA C22.2 No. 60950-1 EN 60950-1
<b>RoHS</b>	EU RoHS 2002/95/EC

### Warranty

<b>Standard</b>	1 year
<b>Extended</b>	Up to 5 years