

e-disk® Altima™ 3.5" U320 SCSI 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.

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
- Low Voltage Detection
- SecurErase® Military Sanitization



Environmental

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

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
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For Information...

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Fax: +1 (510) 623-2342

e-disk[®] Altima[™] 3.5" U320 SCSI SSD

Additional Specifications

Physical

Form Factor	3.5"
Mounting	HDD standard, all orientations
Connector	80-Pin SCA-2 Hot Swappable SE/LVD (SCSI 16-Bit)
Size (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. Contact your sales representative for specific measurements and tolerances for your configuration.

Capacity

SLC	20 GB to 1.1 TB
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Performance

Burst Rate	320 MB/s
Cache	Up to 256 MB

Power

Voltage	5V (±5%) or 5V/12V (±5%) Auto-detect
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Reliability

Error Correction	Corrects 9 bits per 528B
Write Endurance	76.71 years @ 100 GB/day write-erase cycles (20 GB drive)

Warranty

Standard	1 year
Extended	Up to 5 years

Compliance

Interface	ANSI SCSI-2 Standard X3.131-1994 ANSI SCSI-3 Standard X3T10/1071D ANSI SCSI-3 Standard X3T10/142D ANSI SCSI-3 Standard X3T10/1302D ANSI SCSI-3 Standard X3T10/1365D
EMC	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
Safety	UL 60950-1 CSA C22.2 No. 60950-1 EN 60950-1
RoHS	EU RoHS 2002/95/EC