

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, 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 LUNETETA[™] 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
- Pipeline Inspection
- Medical Equipment
- Industrial Automation

Features

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

Product Specifications

Physical

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

Note: Size and weight numbers are approximate.

Capacity

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

Note: Usable capacity.

Performance

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

Power

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

Reliability

| | |
|------------------|--|
| Error Correction | Corrects 9 bits per 528 B |
| Write Endurance | 6.74 years @ 100 GB/day write/erase cycles (20 GB drive) |

Environmental

| | |
|---------------------------------|--|
| Operational Temperature | Commercial: 0 to 70 °C Industrial: -40 to 85 °C |
| Maximum Temperature Change Rate | 3 °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