

# E-Disk® Altima™ II M.2 SATA SSD I-Series Plus

Power Efficient and Durable  
Small Form Factor Storage



E-Disk Altima II I-Series Plus M.2 SSDs come in small form factor, very low power consumption and can include the Power Loss Data Protection feature to provide data consistency when power is unexpectedly disrupted.

Shock, vibration, temperature, humidity resistance, and fast boot/shutdown capabilities address the needs of industrial requirement and applications. The maximum bandwidth of the E-Disk Altima II I-Series Plus M.2 SATA SSD is >500 MB/s with a capacity range of up to half a terabyte.

Additional features provide longevity to reliably retain data for extended periods of time. MLC flash, static and dynamic wear leveling, and over-provisioning technologies extend the usable life of E-Disk Altima II I-Series Plus M.2 SATA SSDs.

## Applications

E-Disk Altima II I-Series Plus SSDs are ideal for industrial applications such as:

- Air, Land, Sea, Space, and Data Applications
- Rugged Mobile Surveillance Equipment
- Scientific Field Research
- Mobile Targeting Systems
- Pipeline and Other Inspection Equipment
- Transportation Monitoring and Inspection
- Rugged Medical Equipment
- Energy and Mining Equipment

## Features

- Low Power Consumption
- Small Form Factor
- Power Loss Data Protection
- Power On Data Erase
- TRIM and SMART Monitoring & Reporting

## Product Specifications

Physical	
Form Factor	T4A6IM: M.2 2242 T8A6IM: M.2 2280
Interface	SATA 6 Gb/s (SATA Rev. 3.2)
Dimensions (L x W x H)	T4A6IM: 42 mm x 22 mm x 3.8 mm T8A6IM: 80 mm x 22 mm x 3.8 mm

Capacity	
MLC	T4A6IM: 4 GB to 512 GB T8A6IM: 4 GB to 512 GB
Note: Usable capacity.	

Sustained Performance	
Sequential Read	T4A6IM: Up to 555 MB/s T8A6IM: Up to 550 MB/s
Sequential Write	T4A6IM: Up to 490 MB/s T8A6IM: Up to 465 MB/s

Security	
Power On Data Erase	Supported via ATA Command
HW Write Protect	Supported via GPIO (T8A6IM only)

Reliability	
MTBF	> 2,000,000
Endurance	544 TBW @512 GB

Environmental (Operational)	
Temperature	-40 to 85 °C
Shock	1,500 G
Vibration	20 Grms
Altitude	0 to 80,000 ft

Power	
Voltage	3.3V (+/-5%)
Power Loss Data Protection	Supported (Optional)
Power Savings Modes	DEVSLP (Optional) DIPM/HIPM Mode
Power Consumption (Typical R/W)	T4A6IM: 1.425 / 1.74 W @512 GB T8A6IM: 1.5 / 1.7 W @512 GB

Warranty	
Standard	1 year
Extended (Optional)	3 years

### For more Information

Email: [sales@bitmicro.com](mailto:sales@bitmicro.com)

Call: +1 (888) 72-FLASH