

E-Disk[®] Altima[™] II U.2 (2.5") NVMe SSD M-Series

Highly Rugged, Secure and
Reliable for Mission Critical and
Operational Data



BiTMICRO[®] E-Disk Altima II U.2 NVMe SSD M-Series offers high capacity range up to 4TB with maximum performance of 2.9 GB/s. Optional Power Loss Data Protection feature guards your data from unexpected power disruption while AES-256 encryption and TCG Opal protect data from unauthorized access.

E-Disk Altima II U.2 SSD M-Series is manufactured under our Verified Rugged program, with each SSD tested and screened to withstand and operate in extreme/harsh, rugged, and hostile environmental conditions. Built-in features such as TRIM, global wear-leveling, LDPC ECC and other advanced technologies ensure SSD reliability while extending SSD usable life.

Applications

E-Disk Altima II M-Series SSDs are ideal for industrial and defense applications such as:

- Remote and Mobile - Air, Land, Sea, Space, and Data Applications
- Cyber Secure Data Storage
- Autonomous Surveillance Systems, Vessels, and Vehicles
- Aerospace Manned and Unmanned Aircraft
- Threat Identification and Deterrence Systems
- Avionics, Telemetry and Data Recording
- Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance (C4ISR)

Features

- Industrial Temperature Range*
- Verified Rugged SSD**
- Assembled in U.S.A***
- TRIM and SMART
- Supports SW Data Secure Erase with Power-On
- Supports SW Write Protect with Power-On
- PowerGuard[®] Power Loss Data Protection (Optional)
- AES-256 Encryption (Optional)
- TCG OPAL 2.0 Compliant SED (Optional)
- Supports SW Crypto Key Erase with Power-On (Optional and requires TCG OPAL)

* Each SSD is tested to operate between the industrial wide (-40 to +85 °C) temperature ranges.

** Each SSD is tested and screened to withstand extreme, rugged and hostile environmental conditions before shipping.

*** Assembled in U.S.A with domestic / non-domestic sourced parts.

Product Specification

Model	T2P8HE
Interface	PCIe Gen3 x4 (U.2), NVMe 1.3
Form Factor	U.2 (2.5")
Dimension (L x W x H)	100.45mm x 69.85mm x 7mm (3.95" x 2.75" x 0.28")
Storage Capacity	3D TLC: 512GB to 4TB
Performance (Sequential)	Read: Up to 2,944 MB/s Write: Up to 967 MB/s
Security	
SW Data Secure Erase with Power-On	Supported
SW Write Protect with Power-On	Supported
Environmental (Operational)	
Temperature	-40 to 85 °C
Shock	1,500 G, half-sine, 0.5ms
Vibration	20 Grms, 80-2000Hz, 1 hr/axis
Power	
Voltage	12V (+/-8%)
Power Savings Mode	APST, ASPM, L1.2
Power Consumption (Read/Write)	8.8W / 8.46W
Warranty	
Standard	1 Year
Optional Features	
PowerGuard Power Loss Data Protection	Option
AES-256 Encryption	Option
TCG OPAL 2.0 Compliant	Option
SW Crypto Key Erase with Power-On	Option (requires TCG OPAL)
Extended Warranty	Option

Note: Data retention can decrease when SSD is used for long-term storage. It is recommended to regularly power-on the SSD to prevent data loss.

For more information:

Email: sales@bitmicro.com

Call: +1 (888) 72 - FLASH