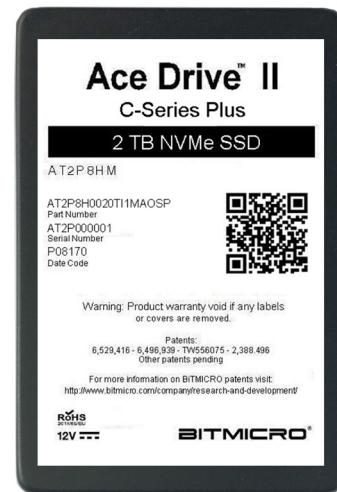


# Ace Drive™ II

## U.2 (2.5") NVMe SSD

### C-Series Plus

Resilient, Consistent and Built  
for Demanding Industrial  
Applications



Ace Drive II C-Series Plus SSDs can safely store important information when temperatures exceed the tolerances of commercial SSDs. Static wear leveling, over-provisioning and garbage collection technologies provide longevity, enabling the Ace Drive II C-Series Plus SSD to reliably retain data for extended periods of time. Included SMART health monitoring detects and reports on indicators to predict drive availability.

Included PowerGuard® technology provides data consistency when power is unexpectedly disrupted. Power On Data Erase along with AES encryption provide an extra layer of data security.

## Applications

Ace Drive II C-Series Plus SSDs are ideal for industrial applications such as:

- Oil, gas and solar infrastructure data gathering
- Airborne vehicle data delivery and retrieval
- Communications infrastructure management
- Agriculture, forestry and aquaculture management
- Transportation monitoring and inspection
- Unmanned vehicles
- Industrial automation

## Features

- Industrial temperature control technology
- AES-256 Encryption
- PowerGuard® Power Loss Data Protection
- Power On Data Erase
- High Performance NVMe
- TRIM and SMART Monitoring and Reporting

## Product Specifications

### Physical

Form Factor	U.2 (2.5")
Mounting	HDD/SSD standard, all orientations
Connector	PCIe 3.0 x4 (U.2), NVMe 1.2
Dimensions (L x W x H)	100 mm x 69.85 mm x 9.5 mm

### Capacity

MLC	Up to 2 TB
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Note: 1 TB = 1,000,000,000,000 Bytes.

### Performance

Sequential	Read: Up to 2.8 GB/s Write: Up to 1.6 GB/s
Random	Read: Up to 320K IOPS @4K Write: Up to 270K IOPS @4K

### Power

Voltage	12V DC (±8%)
PowerGuard Power Loss Data Protection	Supported (Optional)
Power Saving Modes	APST, ASPM, L1.2
Active (Read/Write)	MLC: 6 W/7 W @ 2 TB

### Environmental

Operational Temperature	Extended: -25 to 75 °C
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### Reliability

MTBF	>2,000,000
Write Endurance	MLC: >2.79 PBW @ 2 TB
TRIM	Supported
SMART	Supported

### Security

Power On Data Erase	Supported
AES 256 Encryption	Supported

### Warranty

Standard	90 days
Extended (Optional)	2 years

### For more information

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

Call: +1 (888) 72-FLASH

These specifications may change from time-to-time. Please contact BiTMICRO for the latest specification version