

Ace Drive™ II

2.5" SATA 6Gb/s SSD

C-Series Plus

Reliable, Durable and Built
for Demanding Industrial
Applications



Advanced features, ensuring product longevity in the field, include wear leveling, and bad block management. Valuable data is guarded with PowerGuard® power loss data protection, providing data consistency in the event of power degradation or outage.

Ace Drive II C-Series Plus SATA 6Gb/s SSDs support SMART health monitoring, Native Command Queuing, and TRIM ensuring reliability while extending drive life and endurance.

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
- PowerGuard® Power Loss Data Protection
- Power On Data Erase
- AES 256 Support
- TRIM and SMART Monitoring and Reporting

Product Specifications

Physical

Form Factor	2.5"
Mounting	HDD/SSD standard, all orientations
Interface	SATA Rev. 3.2
Dimensions (L x W x H)	100 mm x 69.85 mm x 7 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 560 MB/s
Sequential Write	Up to 490 MB/s

Power

Voltage	5V
PowerGuard Power Loss Data Protection	Supported (Optional)
Power Saving Modes	DIPM/HIPM Mode
Active (Read/Write)	MLC: 3.2 W / 5.4 W @ 2 TB

Environmental

Operational Temperature	Extended: -25 to 75 °C
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Reliability

MTBF	>2,000,000
Write Endurance	MLC: 4,114 TBW @ 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

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