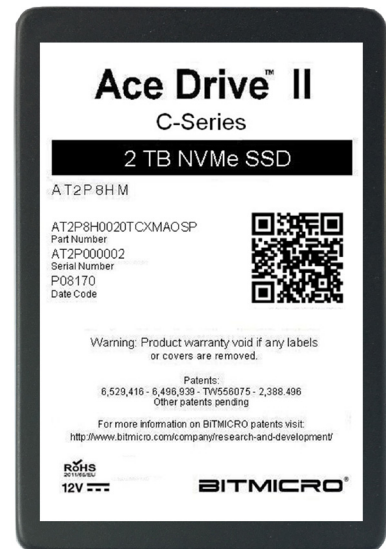


Ace Drive™ II

U.2 (2.5") NVMe SSD

C-Series (Commercial)

Reliability, High Capacity
and NVMe Performance for
Enterprise and Commercial
Environments



Ace Drive II Commercial SSDs provide up to 2 TB of capacity and use the latest high performance NVMe 1.2 standard. They also include TRIM support. TRIM allows the host to inform the SSD which blocks of data are no longer considered in use and can be used. TRIM improves SSD longevity.

Data security and power loss protection are important when selecting an SSD for enterprise and commercial applications. Ace Drive II Commercial SSDs include Power On Data Erase feature along with AES encryption provide an extra layer of data security. The PowerGuard® technology provides data consistency when power is unexpectedly disrupted. Ace Drive II Commercial SSDs can manage the most data intensive applications.

Applications

Ace Drive I-Series SSDs are ideal for commercial applications such as:

- Cloud computing
- Artificial intelligence
- Content retrieval and streaming
- Enterprise server and workstation
- Telco communication centers
- Transactions
- Big data and database storage
- Online gaming and content delivery

Features

- High performance NVMe
- AES-256 Encryption
- PowerGuard® Power Loss Data Protection
- Power On Data Erase
- 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 (SFF 8639), 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	Commercial: 0 to 70 °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 via NVMe Format command
AES 256 Encryption	Supported

Warranty

Standard	90 days
Extended (Optional)	2 years

For more Information

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