

Ace Drive™ I-Series mSATA SSD

Think hard.

Industrial SSD users need to be sure their data is safe anywhere they take it. Ace Drive I-Series SSDs are durable enough to withstand the demanding physical conditions of virtually any industrial environment, providing reliable storage in extreme temperatures, shock, vibration, humidity and altitude.

Aside from withstanding harsh conditions, Ace Drive I-Series SSDs have advanced features which ensure product longevity in the field: dynamic power management, enhanced data protection, wear leveling and bad block management. Valuable data is protected with error correction code, and power loss data protection.

Ace Drives support SMART, Native Command Queuing up to 32 commands and dynamic/static wear leveling, ensuring reliability and extending drive life and endurance. And their standard interface and form factor integrate easily into existing systems.

Applications

Ace Drive I-Series SSDs are ideal for industrial applications such as: industrial computing, automotive, aerospace design, industrial automation, intelligent pipeline inspection, communications & networking, medical equipment, ATM/POS and set top boxes.

Features

- Dynamic Power Management
- Enhanced Power Loss Data Protection
- Low Power Consumption



Performance

Sequential	Read: 145 MB/s Write: 120 MB/s
Random	Read: 4,700 IOPS @ 4KB Write: 900 IOPS @ 4KB
Cache	Up to 128 MB

Environmental

Operational Temperature	Commercial: 0 to 70°C Industrial: -40 to 85°C
Altitude	Up to 80,000 ft
Humidity	95% (non-condensing)
Shock	1,500G at 0.5 ms
Vibration	16.4G (10-2,000 Hz)

Capacity

MLC	64GB, 128GB
SLC	64GB

For Information...

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Fax: +1 (510) 623-2342

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Additional Specifications

Physical

Form Factor	MO-300A
Connector	mSATA
Size (L x W x H)	2.01" x 1.18" x 0.16"
Weight	1.76 oz.

Power

Voltage	3.3V DC (±5%)
Active	Less than 1 W

Reliability

MTBF	2 million hours
Error Correction	Corrects 40 bits per 1KB
Write Endurance	SLC: 2,600 TB @ 64GB MLC: 160TB @ 128GB

Compliance

Interface	SATA Rev 2.6
EMC	FCC Part 15 Class B EN 55022: 2010 EN 55024: 2010
Safety	UL 60950-1 CSA C22.2 60950-1
RoHS	EU RoHS 2002/95/EC

Warranty

Standard	1 year
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