

2.5" SSD

ISSS333



The 2.5-inch ADATA ISSS333 industrial-grade SSDs is equipped with 64-layer 3D TLC (BiCS3) NAND flash to provide excellent read and write performance as well as high capacities. What's more, it also features a 3K P/E cycle rating for long-lasting durability. The ISSS333's level of energy efficiency, reliability, safety, and performance meet the strict requirements of industrial applications. Other valuable features include DRAM Buffer for improved IOPS and read and write, and LDPC ECC error correction and RAID Engine for data accuracy and integrity. The ISSS333 has high compatibility and is suitable for industrial PCs, embedded devices, automation, networking, and transportation applications.

Features

- 64-layer (BiCS3) 3D TLC NAND flash for high capacities and efficiency
- 3K P/E cycle rating for improved durability
- Wide-temperature operation: -40°C to 85°C
- Low power consumption: 2.3W
- LDPC ECC error correction, RAID Engine, and DRAM Buffer
- Thermal Throttling automatically adjusts temperatures for prolonged product lifespan
- Suitable for industrial PCs, embedded devices, automation, networking, and transportation applications

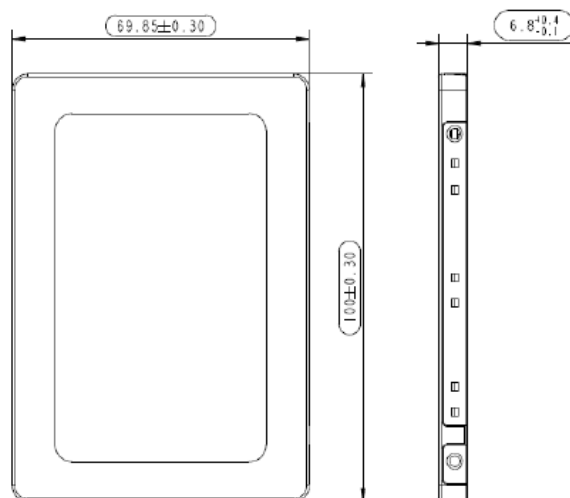
Ordering Information

| Operating Temp. | 64GB | 128GB | 256GB | 512GB | 1TB | 2TB |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 0°C to 70°C | ISSS333-064GD | ISSS333-128GD | ISSS333-256GD | ISSS333-512GD | ISSS333-001TD | ISSS333-002TD |
| -40°C to 85°C | ISSS333-064GP | ISSS333-128GP | ISSS333-256GP | ISSS333-512GP | SSS333-001TP | ISSS316-002TP |

Specifications

| Model | ISSS333 |
|------------------------------------|--|
| Form Factor | 2.5" |
| Capacity | 64GB – 2TB |
| Interface | SATA III |
| Flash Type | 64L 3D TLC |
| Dimensions (L x W x H) | 100 x 70 x 7mm |
| Sequential Read (Max.) | 560MB/s |
| Sequential Write (Max.) | 520MB/s |
| Operating Temperature (Standard) | 0°C to 70°C |
| Operating Temperature (Industrial) | -40°C to 85°C |
| Operating Voltage | 5V |
| Power Consumption (Max.) | 2.3W |
| Shock Resistance | 1500G/0.5ms |
| Operating Humidity | 5%-95 RH, non-condensing |
| Vibration Resistance | 20G (20-2000Hz) |
| Technologies | LDPC ECC, RAID Engine, SLC Cache, TRIM and NCQ Command, DRAM Buffer, Wear Leveling, Thermal Throttling, S.M.A.R.T. Monitor |

Diagram



Unit: mm

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