ADATA®
INDUSTRIAL

2.5” SSD

ISSS316

The 2.5-inch ADATA ISSS316 industrial-grade SSDs is equipped with 64-layer 3D TLC (BiCS3) Flash, which feature high capacity of 1TB, built-in SLC cache, and 3K P/E cycles for high endurance. Other valuable features include LDPC ECC error correction and RAID Engine for data accuracy and integrity. The ISSS316 has high compatibility and is suitable for industrial PCs, 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: 1.35W
- Supports LDPC ECC, RAID Engine and SLC Cache
- Thermal Throttling automatically adjusts temperatures for prolonged product lifespan
- Ideal for industrial PCs, automation, networking, and transportation applications

Ordering Information

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

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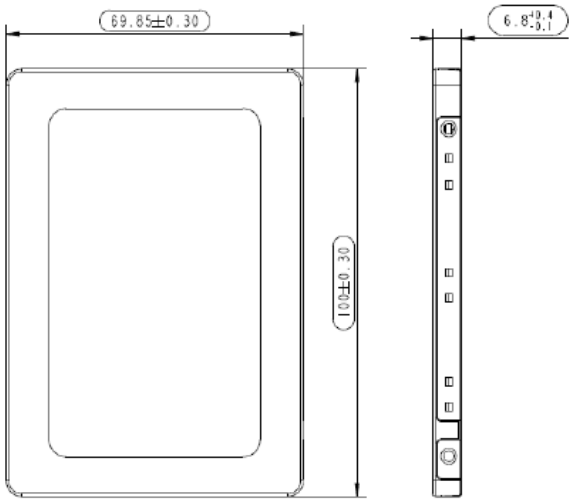
Datasheet

Specifications

Model	ISSS316
Form Factor	2.5”
Capacity	64GB – 1TB
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)	0ºC to 70ºC
Operating Temperature (Industrial)	-40ºC to 85ºC
Operating Voltage	5V
Power Consumption (Max.)	1.35W
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, Wear Leveling, Thermal Throttling, S.M.A.R.T. Monitor

Diagram



Unit: mm

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