

2.5" SSD

ISSS316



The 2.5-inch ADATA ISSS316 industrial-grade SSDs is equipped with 112-layer 3D TLC (BiCS5) Flash, which feature high capacity of 2TB, 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

- 112-layer (BiCS5) 3D TLC NAND flash for higher capacities, efficiency, and durability
- Up to 2TB of capacity
- Wide-temperature operation: -40°C to 85°C
- 3K P/E cycle rating for excellent durability
- Supports LDPC ECC, RAID Engine and SLC Cache
- Low power consumption: 1.35W
- Ideal for industrial PCs, automation, networking, and transportation applications

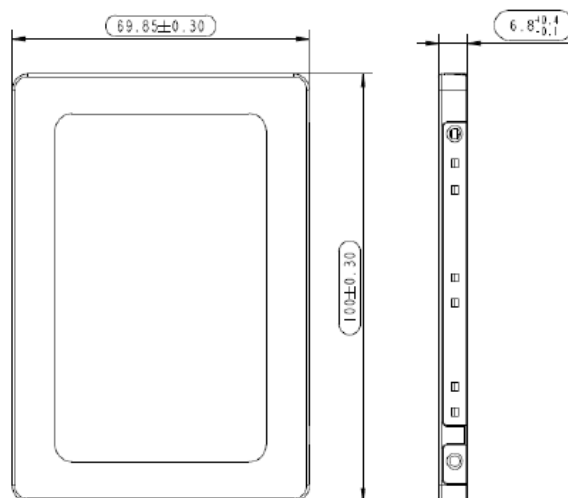
Ordering Information

Operating Temp.	128GB	256GB	512GB	1TB	2TB
0°C to 70°C	ISSS316-128GCTB5	ISSS316-256GCTB5	ISSS316-512GCTB5	ISSS316-001TCTB5	ISSS316-002TCTB5
-40°C to 85°C	ISSS316-128GITB5	ISSS316-256GITB5	ISSS316-512GITB5	ISSS316-001TITB5	ISSS316-002TITB5

Specifications

Model	ISSS316
Form Factor	2.5"
Capacity	128GB – 2TB
Interface	SATA III
Flash Type	112L 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.)	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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