

## 2.5" SSD

### ISSS316



The 2.5-inch ADATA ISSS316 industrial-grade SSD is equipped with 96-layer 3D TLC (BiCS4) 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 ISSS316's level of energy efficiency, reliability, safety, and performance meet the strict requirements of industrial applications. 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, embedded devices, automation, networking, and transportation applications.

### Features

- 96-layer 3D TLC (BiCS4) NAND flash for higher capacities, efficiency, and durability
- 3K P/E cycle rating for excellent durability and reliability
- Low power consumption: 1.68W
- LDPC ECC (error correction) Technology
- Supports RAID Engine and SLC Cache
- Thermal Throttling automatically adjusts temperatures for prolonged product lifespan
- Suitable for industrial PCs, embedded devices, automation, networking, and transportation applications

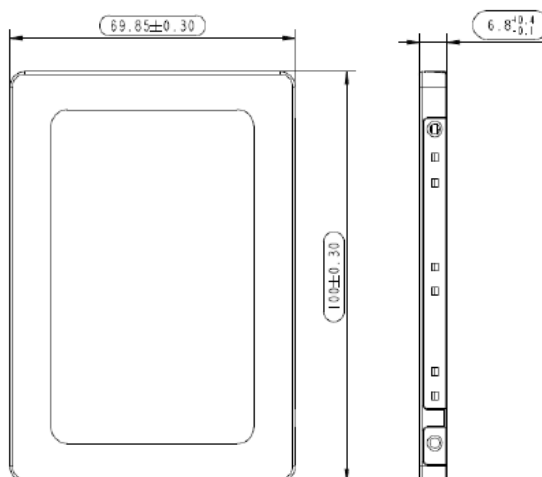
### Ordering Information

| Operating Temp. | 64GB             | 128GB            | 256GB            | 512GB            | 1TB              |
|-----------------|------------------|------------------|------------------|------------------|------------------|
| 0°C to 70°C     | ISSS316-064GCTB4 | ISSS316-128GCTB4 | ISSS316-256GCTB4 | ISSS316-512GCTB4 | ISSS316-001TCTB4 |

## Specifications

| Model                    | ISS316  |
|--------------------------|---|
| Capacity                 | 64GB – 1TB  |
| Interface                | SATA III  |
| Flash Type               | 96L 3D TLC  |
| Dimensions (L x W x H)   | 100 x 70 x 7mm  |
| Sequential Read (Max.)   | 560MB/s   |
| Sequential Write (Max.)  | 510MB/s   |
| Operating Temperature    | 0°C to 70°C   |
| Operating Voltage        | 5V  |
| Power Consumption (Max.) | 1.68W   |
| Shock Resistance         | 1500G/0.5ms   |
| Operating Humidity       | 5%-95 RH, non-condensing  |
| Vibration Resistance     | 20G (20-2000Hz)   |
| Technologies             | LDPC ECC, RAID Engine, Wear Leveling, SLC Cache, TRIM and NCQ command, Thermal Throttling, S.M.A.R.T. Monitor |

## Diagram



Unit: mm

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