

## 2.5" SSD

### ISSS31AP



The 2.5-inch ADATA ISSS31AP SSD is equipped with 112-layer 3D TLC (BiCS5) NAND Flash, which features high capacity of 4TB&8TB, built-in SLC cache, DRAM cache buffer. What's more, they come with PLP (Power Loss Protection) to guard against data loss during power failures and polymer capacitors to prevent short circuiting. With support for LDPC (Low-Density Parity-Check) error correction code technology, ISSS31AP SSDs can detect and fix errors to ensure data integrity and thus enjoy extended lifespans. These SSDs are purpose-made for 5G, IoT, industrial, automation, transportation, and healthcare related applications. To ensure utmost quality, compatibility, and reliability, all ISSS31AP SSDs have undergone ADATA's SSD validation process, covering functionality testing and reliability validation.

### Features

- Power Loss Protection (PLP)
- Tantalum polymer capacitors with short circuit protection mechanism
- 112-layer 3D TLC (BiCS5) NAND Flash for higher capacity, durability and power efficiency
- Large capacity of 4TB&8TB
- 3K P/E Cycles – improved endurance and reliability
- Supports SLC Cache and DRAM Buffer
- Ideal for 5G networking, IPC, automation, transportation, healthcare and surveillance

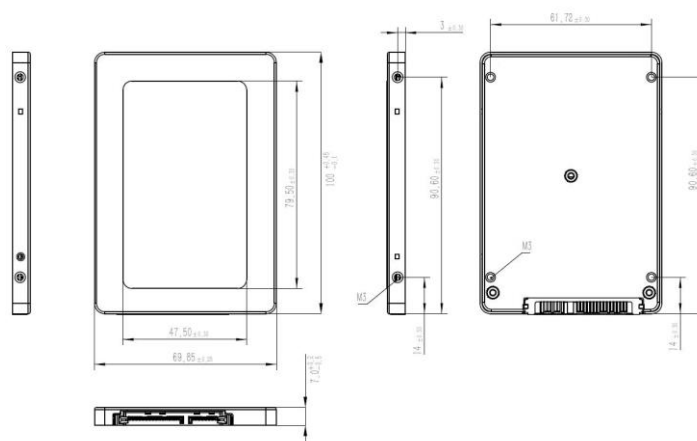
### Ordering Information

Operating Temp.	4TB	8TB
0°C to 70°C	ISSS31AP-004TCTB5	ISSS31AP-008TCTB5
-40°C to 85°C	ISSS31AP-004TITB5	ISSS31AP-008TITB5

## Specifications

Model	ISSS31AP
Form Factor	2.5"
Capacity	4TB – 8TB
Interface	SATA III
Flash Type	112L 3D TLC
Dimensions (L x W x H)	100 x 70 x 7mm
Sequential Read (Max.)	550MB/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.)	3.3W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	PLP, S.M.A.R.T., Thermal Throttling, TCG OPAL 2.0, LDPC ECC, SLC Cache, DRAM Buffer, RAID Engine, NCQ and TRIM Command, Wear Leveling

## Diagram



Unit: mm

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