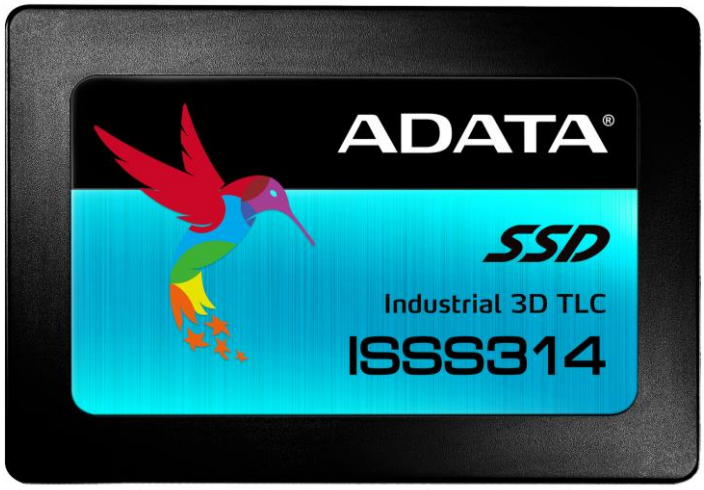
ADATA Industrial & Enterprise Solutions

2.5” SATA SSD

ISSS314 industrial-grade 2.5" solid state drives implement 3D NAND Flash for superb transfer rates up to 560/520MB per second. They also feature low power consumption, high reliability, and compatibility across diverse storage applications that require security, convenience, performance, and capacity. ISSS314 solid state drives are purpose-made for industrial computing, embedded applications, and general automation, and take full advantage of ADATA proprietary A+ Testing Methodology. This guarantees drives meet the exacting requirements of industrial and enterprise applications. ISSS314 SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

Key Features

- 3D TLC NAND Flash - higher capacity, durability, and power efficiency
- Diverse capacity: 128GB to 512GB
- S.M.A.R.T. data integrity protection
- Hardware power detector and Flash protection
- Flash management
- Supports NCQ and Windows TRIM command



Target Applications

Industrial computing, embedded applications, gaming, surveillance, healthcare, defense, and general automation

	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
ISSS314 3D TLC	●	●	●	●	●	●	●	●

● Supported

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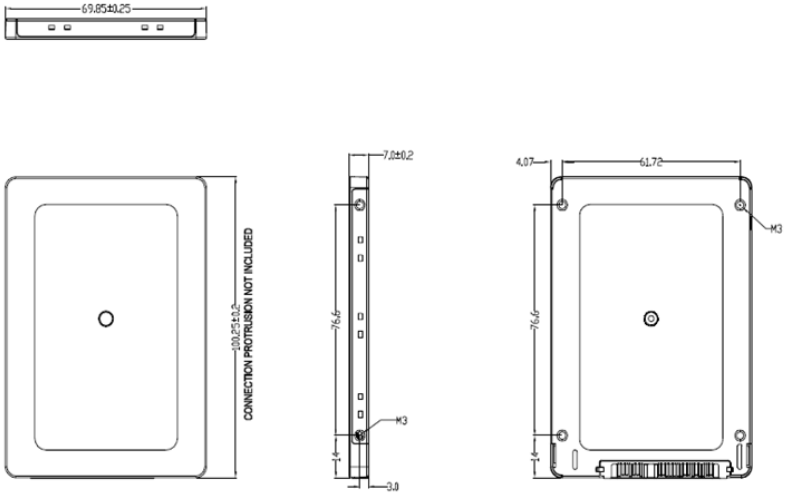
Specifications

Model	ISSS314 3D TLC
Interface	SATA 22-pin
Flash Type	3D TLC
Operating Voltage	5V
Capacity	128GB / 256GB / 512GB
Sequential Read (Max)	Up to 560MB/s
Sequential Write (Max)	Up to 520MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperature	0°C to 70°C
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max)	2.5W
MTBF (Est)	>2,000,000 hours
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	100.25 x 69.85 x 7mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	0°C to 70°C
128GB	ISSS314-128GD
256GB	ISSS314-256GD
512GB	ISSS314-512GD

Dimensions



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