

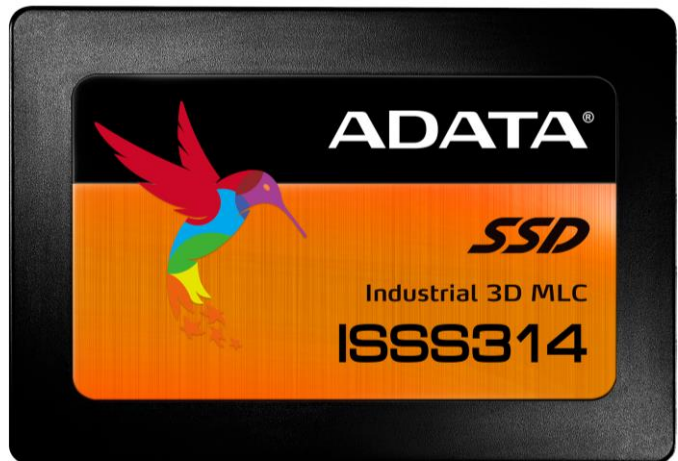
# 2.5" SATA SSD



**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. With a wide temperature tolerance range of -40°C to 85°C, ISSS314 3D MLC models can operate normally even in harsh environments. They 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 MLC NAND Flash - higher capacity, durability, and power efficiency
- Wide temperature tolerance: -40°C to 85°C
- Wide capacity range from 32GB 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

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

● Supported



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## Specifications

Model	ISSS314 3D MLC
Interface	SATA 22-pin
Flash Type	3D MLC
Operating Voltage	5V
Capacity	32GB-512GB
Sequential Read (Max)	Up to 560MB/s
Sequential Write (Max)	Up to 520MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperature	Commercial: -10°C to 80°C Industrial: -40°C to 85°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	-10°C to 80°C	-40°C to 85°C
<b>32GB</b>	ISSS314-032GB	ISSS314-032GC
<b>64GB</b>	ISSS314-064GB	ISSS314-064GC
<b>128GB</b>	ISSS314-128GB	ISSS314-128GC
<b>256GB</b>	ISSS314-256GB	ISSS314-256GC
<b>512GB</b>	ISSS314-512GB	ISSS314-512GC

## Dimensions

