

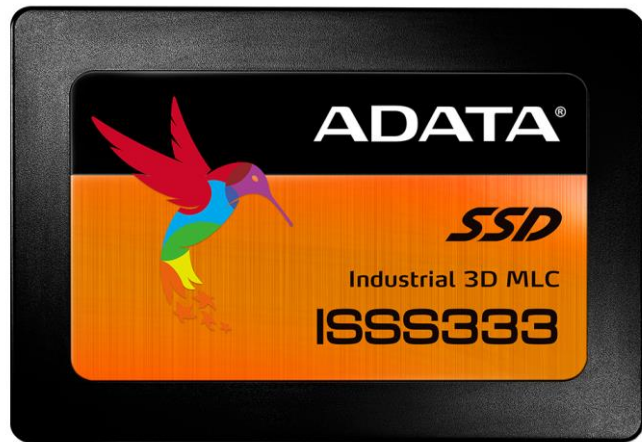
2.5" SATA SSD



ADATA ISSS333 SATA III 6Gbps 2.5" solid state drives implement high-quality 3D NAND flash for bigger capacity, efficiency and reliability than 2D NAND solutions. The ISSS333 are compliant with JEDEC specifications and feature a low-power design intended for industrial applications which leverages ADATA proprietary A+ Testing Methodology. This ensures the drives meet the exacting requirements of industrial applications. For SSD quality, compatibility, and reliability, ADATA developed its own SSD validation process, covering functionality testing and reliability assurance. Strict quality controls provide industrial systems that are the best choice for long-lasting reliability. Furthermore, value-added ADATA SSD Toolbox software provides intuitive SSD management, S.M.A.R.T. data integrity, and system optimization, helping enhance industrial systems.

Key Features

- 3D MLC NAND Flash - higher capacity, durability, and power efficiency
- Wide temperature tolerance: -40°C to 90°C
- Advanced hardware LDPC ECC Technology
- Large capacity up to 1TB
- 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
ISSS333	●	●	●	●	●	●	●	●	●

● Supported



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Specifications

Model	ISSS333
Interface	SATA 22-pin
Flash Type	3D MLC
Operating Voltage	5V
Capacity	120GB-1TB
Sequential Read (Max)	Up to 560MB/s
Sequential Write (Max)	Up to 525MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperature	Commercial: -10°C to 80°C Industrial: -40°C to 90°C
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max)	2.7W
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	3D MLC -10°C to 80°C	3D MLC -40°C to 90°C
120GB	ISSS333-120GB	ISSS333-120GC
256GB	ISSS333-256GB	ISSS333-256GC
512GB	ISSS333-512GB	ISSS333-512GC
1TB	ISSS333-001TB	ISSS333-001TC

Dimensions

