

## **INDUSTRIAL**



ADATA Industrial & Embedded Solutions

# 2.5-inch SSD

The ISSS333 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. ISSS333 solid state drives are purpose-made for industrial computing, embedded applications, and general automation, and take full advantage of ADATA proprietary A<sup>+</sup> Testing Methodology. This guarantees drives meet the exacting requirements of industrial and enterprise applications. When it comes to SSD quality, ADATA A<sup>+</sup> Testing Methodology delivers superior functionality and reliability. ISSS333 SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

#### **Key Features**

- Large capacity up to 2TB
- P/E Cycle upgrade to 3K improved endurance and reliability
- 3D NAND Flash for higher capacity, durability and power efficiency
- Low power consumption: 3.96W
- Supports DEVSLP, SLC Cache, and DRAM Buffer
- Supports LDPC ECC, S.M.A.R.T., Wear Leveling, NCQ and TRIM Command



#### **Target Applications**

Transportation, Personal Computing, Server, Networking, Medical, Aerospace, Military

30μ Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
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Supported – Not available

### **Specifications**

Model	ISSS333		
Interface	SATA III		
Form Factor	2.5-inch		
Dimensions (L x W x H)	100.25 x 69.85 x 7mm		
Flash Type	3D TLC		
Capacity	64GB – 2TB		
Sequential Read (Max.)	560MB/s		
Sequential Write (Max.)	520MB/s		
Operating Temperature (Commercial)	0°C to 70°C		
Operating Temperature (Industrial)	-40°C to 85°C		
Operating Voltage	5V		
Operating Humidity	5%-95% RH non-condensing		
Power Consumption (Max.)	3.96W		
MTBF (Est)	>2,000,000 hours		
Shock Resistance	1500G/0.5ms, Half Sine Wave		
Vibration Resistance	20G (10-2000Hz)		
Technologies	LDPC ECC, DEVSLP, SLC Cache, DRAM Buffer, NCQ and TRIM Command		

## **Ordering Information**

Canacity	Commercial	Industrial		
Capacity	(0°C to 70°C)	(-40°C to 85°C)		
64GB	ISSS333-064GD	ISSS333-064GP		
128GB	ISSS333-128GD	ISSS333-128GP		
256GB	ISSS333-256GD	ISSS333-256GP		
512GB	ISSS333-512GD	ISSS333-512GP		
1TB	ISSS333-001TD	ISSS333-001TP		
2TB	ISSS333-002TD	ISSS333-002TP		





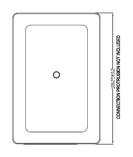


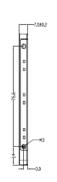


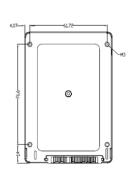


#### **Dimensions**









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