

2.5" SATA SSD



ADATA ISSS332 SATA III 6Gbps 2.5" solid state drives feature the best quality hardware components and come with the most comprehensive internally-developed and supported software. They 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

- Industry-standard 2.5" form factor
- High reliability and great performance
- High speed SLC/MLC NAND Flash
- Wide temperature tolerance: -40°C to 90°C
- Large capacity up to 1TB
- S.M.A.R.T. function
- Flash Management
- Power Loss Protection (PLP) (Optional)
- Hardware power detector and Flash protection
- TRIM Command and NCQ



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
ISSS332	●	●	●	●	●	●	●	●	●

● Supported



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Specifications

Model	ISSS332	
Interface	SATA 22-pin	SATA 22-pin
Flash Type	SLC	MLC
Operating Voltage	5V	5V
Capacity	8GB-256GB	16GB-1TB
Sequential Read (Max)	Up to 560MB/s	Up to 560MB/s
Sequential Write (Max)	Up to 450MB/s	Up to 450MB/s
Data Transfer Mode	SATA III 6Gbps	SATA III 6Gbps
Operating Temperature	Commercial: -10°C to 80°C Industrial: -40°C to 90°C	Commercial: -10°C to 80°C Industrial: -40°C to 90°C
Operating Humidity	5%-95% RH non-condensing	5%-95% RH non-condensing
Power Consumption (Max)	4.6W	4.6W
MTBF (Est)	>2,000,000 hours	>1,500,000 hours
Vibration Resistance	20G (10-2000Hz)	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	100.45 x 69.85 x 7mm	100.45 x 69.85 x 7mm
S.M.A.R.T.	Supported	Supported

Ordering Information

Capacity	MLC -10°C to 80°C	MLC -40°C to 90°C
16GB	ISSS332-016GM(P)	ISSS332-016GT(P)
32GB	ISSS332-032GM(P)	ISSS332-032GT(P)
64B	ISSS332-064GM(P)	ISSS332-064GT(P)
128GB	ISSS332-128GM(P)	ISSS332-128GT(P)
256GB	ISSS332-256GM(P)	ISSS332-256GT(P)
512GB	ISSS332-512GM(P)	ISSS332-512GT(P)
1TB	ISSS332-001TM(P)	ISSS332-001TT(P)
Capacity	SLC -10°C to 80°C	SLC -40°C to 90°C
8GB	ISSS332-008GF(P)	ISSS332-008GW(P)
16GB	ISSS332-016GF(P)	ISSS332-016GW(P)
32GB	ISSS332-032GF(P)	ISSS332-032GW(P)
64GB	ISSS332-064GF(P)	ISSS332-064GW(P)
128GB	ISSS332-128GF(P)	ISSS332-128GW(P)
256GB	ISSS332-256GF(P)	ISSS332-256GW(P)

Dimensions

