ADATA Industrial & Embedded Solutions

mSATA SSD

ADATA IMSS332 mSATA solid state drives implement MLC NAND Flash for superb transfer rates up to 550/450MB 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, IMSS332 can operate normally even in harsh environments. They are purpose-made for industrial computing, embedded applications, and healthcare, and take full advantage of ADATA proprietary A$^+$ Testing Methodology. This guarantees drives meet the exacting requirements of industrial and enterprise applications. IMSS332 SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

Key Features

- MLC NAND Flash for bigger capacity and excellent performance
- P/E cycle upgrade to 3K – improved endurance and reliability
- Wide range of capacities from 16GB to 1TB
- Industrial-grade extended temperature range of -40°C to 85°C
- Supports S.M.A.R.T., Wear Leveling, NCQ and Windows TRIM command
- Supports Error Correcting Code (ECC)

Target Applications

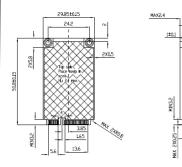Industrial computers, Embedded applications, Handheld scanners, Mini PC, Slim servers and Healthcare

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
●	●	●	●	●	●	●	●	●	●	●

● Supported

Specifications

Model	IMSS332
Interface	SATA III 6.0Gbps
Form Factor	mSATA (MO-300A)
Dimensions (L x W x H)	50.8 x 29.85 x 4.5 mm
Flash Type	MLC
Capacity	16GB – 1TB
Sequential Read (Max.)	550MB/s
Sequential Write (Max.)	450MB/s
Operating Temperature (Standard)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max.)	3.4W
MTBF (Est.)	3 million hours
Shock Resistance	1500G/0.5ms
Vibration Resistance	20G (20-2000Hz)
Technologies	ECC Engine, Wear Leveling, Garbage Collection, TRIM Command, NCQ Command, Bad Block Management

Ordering Information

Capacity	Commercial (0°C to 70°C)	Industrial (-40°C to 85°C)
16GB	IMSS332-016GM	IMSS332-016GT
32GB	IMSS332-032GM	IMSS332-032GT
64GB	IMSS332-064GM	IMSS332-064GT
128GB	IMSS332-128GM	IMSS332-128GT
256GB	IMSS332-256GM	IMSS332-256GT
512GB	IMSS332-512GM	IMSS332-512GT
1TB	IMSS332-001TM	IMSS332-001TT

Dimensions

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