

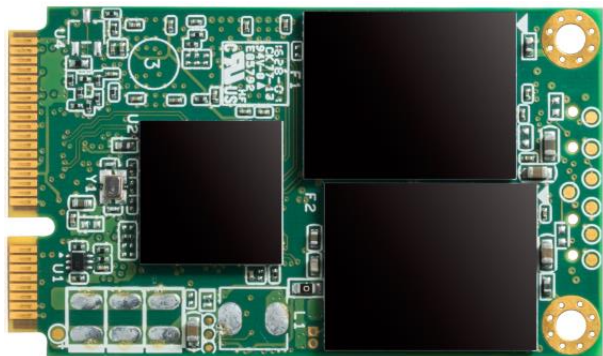
mSATA SSD



The IMSS332 MLC industrial-grade mSATA solid state drives implement MLC NAND Flash for superb transfer rates up to 560/450MB 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 90°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
- SATA III 6.0Gbps
- Industrial-grade extended temperature range of -40°C to 90°C
- Maximum read/write speed: 560/450MB per second
- Wide capacity range: 16GB to 512GB
- Supports S.M.A.R.T., Wear Leveling, NCQ, and Windows TRIM Command
- Hardware power detector and Flash protection



Target Applications

Desktops, compact computers, industrial computers, embedded applications, handheld scanners, mini PC, slim servers and healthcare

	Wide Temperature	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
IMSS332 MLC	●	●	●	●	●	●	●	●	●

● Supported





Model	IMSS332
Interface	MO-300A mSATA
Capacity	16GB – 512GB
Flash Type	MLC
Operating Voltage	3.3V
Sequential Read (Max)	Up to 560MB/s
Sequential Write (Max)	Up to 450MB/s
Data Transfer Mode	SATA III 6.0Gbps
Operating Temperatures	Commercial: -10°C to 80°C Industrial: -40°C to 90°C
Operating Humidity	5%~95% RH non-condensing
Power Consumption (Max)	4.6W
MTBF (est.)	>1,000,000 hours
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	50.95 x 30 x 4.75mm
S.M.A.R.T.	Supported

Capacity	Commercial -10°C to 80°C	Industrial -40°C to 90°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

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