

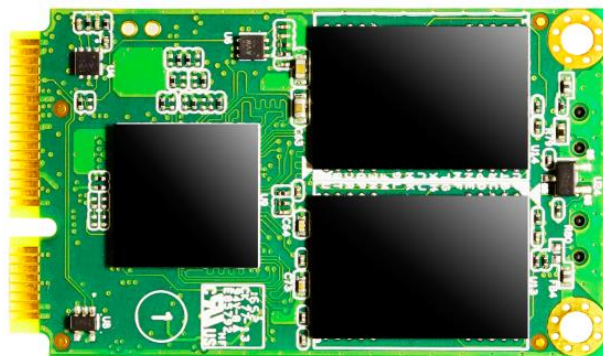
mSATA SSD



The IMSS314 industrial-grade mSATA solid state drives implement 3D NAND Flash for superb transfer rates up to 500/400MB 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, IMSS314 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. IMSS314 SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

Key Features

- 3D NAND Flash for improved durability
- Standard MO-300A form factor
- Wide temperature support: -40°C to 90°C
- Maximum read/write speed: 500/400MB/s
- S.M.A.R.T data integrity verification
- Wear leveling prolongs drive lifespan
- Hardware power detector and Flash protection
- Flash management



Target Applications

Desktops, compact computers, industrial computers, embedded applications and healthcare

	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
IMSS314 3D TLC	●	●	●	●	●	●	●	●

● Supported



mSATA SSD



Specifications

Model	IMSS314
Interface	MO-300A mSATA
Capacity	128GB / 256GB / 512GB
Flash Type	3D TLC
Operating Voltage	3.3V
Sequential Read (Max)	Up to 500MB/s
Sequential Write (Max)	Up to 400MB/s
Data Transfer Mode	SATA III 6.0Gbps
Operating Temperatures	Commercial: -10°C to 80°C
Operating Humidity	5%~95% RH non-condensing
Power Consumption (Max)	3W
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)	50.95 x 30 x 4.75mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	Commercial -10°C to 80°C
128GB	IMSS314-128GD
256GB	IMSS314-256GD
512GB	IMSS314-512GD

Dimensions

