



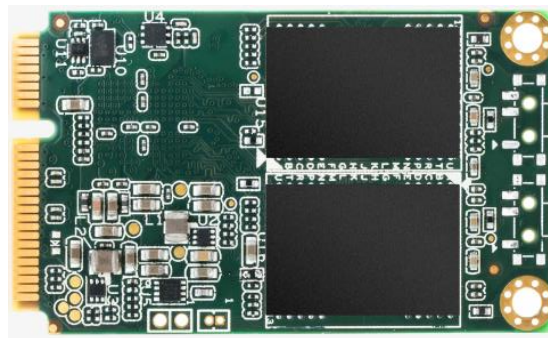
ADATA Industrial & Embedded Solutions

mSATA SSD

ADATA IMSS316 3D TLC industrial-grade mSATA solid-state drives (SSD) are equipped with 3D NAND TLC Flash for superb read/write speeds of up to 540/530MB per second, and come in capacities ranging from 32GB to 1TB. They are compliant with JEDEC MO-300A and are ideal for desktop PCs, thin clients, industrial computing, and embedded applications, and take full advantage of ADATA's proprietary A+ Testing Methodology, which encompass Functionality Testing and Reliability Validation. This guarantees the drives meet the exacting requirements of industrial and enterprise applications. What's more, with support for LDPC (Low-Density Parity-Check) error correcting code technology, IMSS316 SSDs can detect and fix errors to ensure data integrity and thus enjoy an extended lifespan.

Key Features

- 3D TLC NAND Flash - higher capacity, durability, and power efficiency
- Advanced hardware LDPC ECC Technology
- Wide capacity range: 32GB to 1TB
- S.M.A.R.T. data integrity protection
- Hardware power detector and Flash protection
- Flash management
- Supports NCQ and Windows TRIM command
- Supports DEVSLP



Target Applications

Thin clients, industrial computers, embedded applications, handheld scanners, mini PC, slim servers, and healthcare

30u Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
●	---	---	---	●	●	●	●	●	●	●	●

● Supported

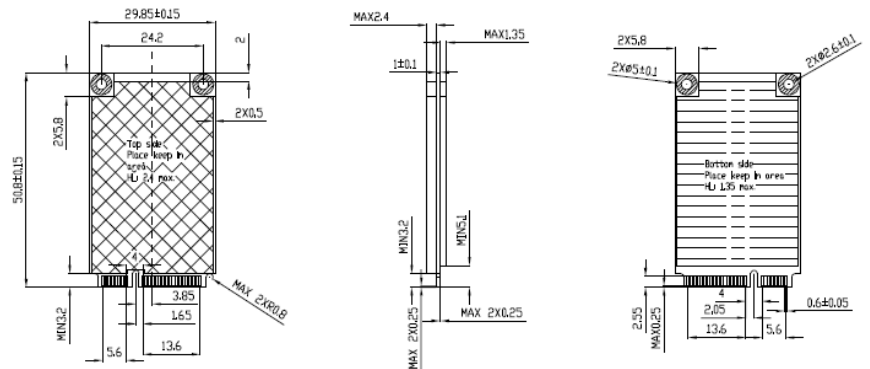
Specifications

Model	IMSS316
Interface	mSATA (MO-300A)
Flash Type	3D TLC
Operating Voltage	3.3V
Capacity	32GB-1TB
Sequential Read (Max)	540MB/s
Sequential Write (Max)	530MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperature	0°C to 70°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	3D TLC 0°C to 70°C
32GB	IMSS316-032GD
64GB	IMSS316-064GD
128GB	IMSS316-128GD
256GB	IMSS316-256GD
512GB	IMSS316-512GD
1TB	IMSS316-001TD

Dimensions



ADATA Technology

2F, No.258 Liancheng Rd.,
 Zhonghe Dist., New Taipei City 235, Taiwan
 Tel: +886-2-8228-0886
 Fax: +886-2-8228-0887
 E-Mail: adata@adata.com

