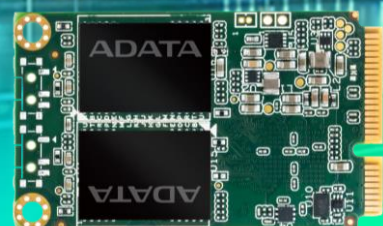


# mSATA SSD

## IMSS316



The ADATA IMSS316 mSATA SSD is equipped with 112-layer 3D TLC (BiCS5) NAND flash for excellent read/write performance and high capacities. Its 3K P/E cycle rating ensures long-lasting durability. What's more, with LDPC ECC error correction and RAID Engine, the IMSS316 ensures data accuracy and integrity. The SSD comes in a range of capacities for different requirements. Customers can also benefit from ADATA's proprietary A+ SSDTOOL software for easy management and real-time monitoring of ADATA SSDs. The IMSS316 is ideal for automation, embedded system, networking, healthcare and transportation applications.

### Features

- 112-layer 3D TLC (BiCS5) NAND flash for higher capacities and efficiency
- 3K P/E cycle rating for excellent durability and reliability
- LDPC ECC (error correction) technology
- Supports RAID Engine and SLC Cache
- Thermal Throttling automatically adjusts temperatures for prolonged product lifespan
- Suitable for automation, embedded system, networking, healthcare and transportation applications

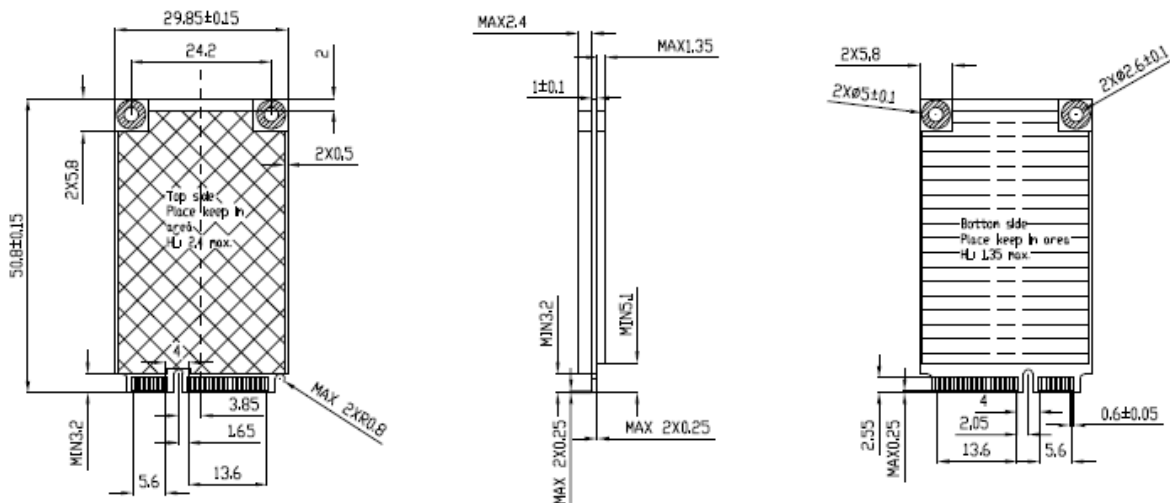
### Ordering Information

Operating Temp.	128GB	256GB	512GB	1TB	2TB
0°C to 70°C	IMSS316-128GCTB5	IMSS316-256GCTB5	IMSS316-512GCTB5	IMSS316-001TCTB5	IMSS316-002TCTB5
-40°C to 85°C	IMSS316-128GITB5	IMSS316-256GITB5	IMSS316-512GITB5	IMSS316-001TITB5	IMSS316-002TITB5

## Specifications

Model	IMSS316
Form Factor	mSATA
Capacity	128GB – 2TB
Interface	SATA III
Flash Type	112L 3D TLC
Dimensions (L x W x H)	50.8 x 29.85 x 4.85mm
Sequential Read (Max.)	560MB/s
Sequential Write (Max.)	520MB/s
Operating Temperature (Standard)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V
Power Consumption (Max.)	1.48W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	LDPC ECC, RAID Engine, Wear Leveling, SLC Cache, TRIM and NCQ command, Thermal Throttling, S.M.A.R.T. Monitor

## Diagram



Unit: mm

## Contact Us

### HQ (Taiwan):

T: +886-8228-0886

E: [IA\\_Global@adata.com](mailto:IA_Global@adata.com)

### US:

T: +1-714-332-8708

E: [IASales\\_us@adata.com](mailto:IASales_us@adata.com)

### EU:

T: +49-899-0405-296

E: [IASales\\_eu@adata.com](mailto:IASales_eu@adata.com)

### China

T: +86-21-6233-1010

E: [IASales\\_cn@adata.com](mailto:IASales_cn@adata.com)

### JP:

T: +81-3-5807-0011

E: [IASales\\_jp@adata.com](mailto:IASales_jp@adata.com)

### APAC/MEA:

E: [IASales\\_apacmea@adata.com](mailto:IASales_apacmea@adata.com)