



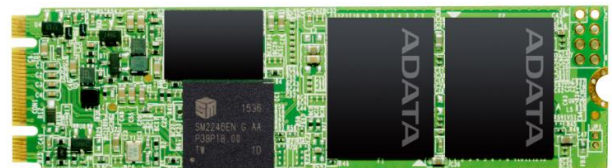
ADATA Industrial & Embedded Solutions

M.2 SSD

The ADATA IM2S3328E M.2 2280 solid state drive is optimized for industrial and commercial applications, designed for extreme temperatures, and employs a robust controller. It also benefits from ADATA proprietary A+ SLC technology to effectively improve SSD performance, stability, and lifespan by more than three times compared to a typical MLC drive, bringing it closer to SLC grade but with cost savings approaching 80%. When it comes to SSD quality, ADATA A+ Testing Methodology delivers superior functionality and reliability. IM2S3328E SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

Key Features

- Compact M.2 2280 form factor for high compatibility
- High-speed MLC NAND Flash
- Diverse capacities: 16GB to 512GB
- Wide Temperature Support: -40°C to 85°C
- Supports DEVSLP for power efficiency
- Supports S.M.A.R.T., NCQ and TRIM Command



Target Applications

Server, Data Center, Surveillance, Transportation, Notebooks, Desktops

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

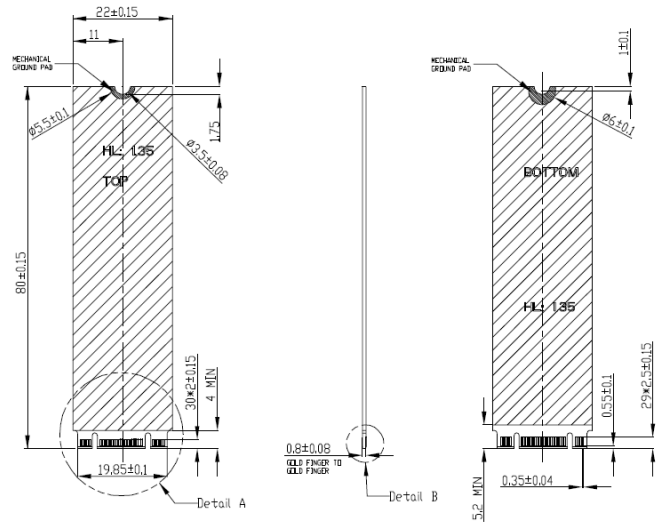
Model	IM2S3328E
Interface	SATA III 6.0Gbps
Form Factor	M.2 2280
Dimensions (L x W x H)	80 x 22 x 3.5mm
Flash Type	MLC
Capacity	16GB – 512GB
Sequential Read (Max.)	560MB/s
Sequential Write (Max.)	450MB/s
Operating Temperature (Commercial)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max.)	2W
MTBF (Est)	>1,500,000 hours
Shock Resistance	1500G/0.5ms, Half Sine Wave
Vibration Resistance	20G (10-2000Hz)
Technologies	DEVSLP, S.M.A.R.T., NCQ and TRIM Command, Wear Leveling

Ordering Information

Capacity	Commercial (0°C to 70°C)	Industrial (-40°C to 85°C)
16GB	IM2S3328E-016GM	IM2S3328E-016GT
32GB	IM2S3328E-032GM	IM2S3328E-032GT
64GB	IM2S3328E-064GM	IM2S3328E-064GT
128TB	IM2S3328E-128GM	IM2S3328E-128GT
256GB	IM2S3328E-256GM	IM2S3328E-256GT
512GB	IM2S3328E-512GM	IM2S3328E-512GT



Dimensions



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