

# M.2 SSD



ADATA IM2S3334 3D TLC M.2 2242 solid state drives utilize 3D NAND flash, providing higher power efficiency and rugged reliability. Its read/write speed is up to 550/500MB per second. With support of LDPC ECC technology, SLC Caching and DRAM cache buffer, the IM2S3334 ensures data integrity and maintains high performance. All IM2S3334 models are compliant with JEDEC specifications and feature a low-power design intended for industrial applications which leverages ADATA proprietary A+ Testing Methodology. This ensures the drives meet the exacting requirements of industrial applications. For SSD quality, compatibility, and reliability, ADATA developed its own SSD validation process, covering functionality testing and reliability assurance. Furthermore, value-added ADATA SSD Toolbox software provides intuitive SSD management, S.M.A.R.T. data integrity, and system optimization, helping enhance industrial systems.

## Key Features

- 3D NAND Flash for improved durability:
- LDPC ECC technology
- Supports SLC Caching and DRAM Cache Buffer
- Supports RAID Engine and Data Shaping
- S.M.A.R.T. data integrity protection



## Target Applications

Server, Data Center, Networking, Surveillance,  
Transportation, Personal Computing

	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
IM2S3334 3D TLC	●	●	●	●	●	●	●	●

● Supported



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## Specifications

Model	IM2S3334 3D TLC
Form Factor	M.2 2242
Flash Type	3D TLC
Operating Voltage	3.3V
Capacity	128GB-512GB
Sequential Read (Max)	Up to 550MB/s
Sequential Write (Max)	Up to 500MB/s
Data Transfer Mode	SATA III 6.0 Gbps
Operating Temperature	0°C to 70°C
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max)	1.5W
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)	42 x 22 x 3.5mm
Technologies	LDPC ECC, S.M.A.R.T., SLC Caching, DRAM Cache Buffer, RAID Engine, Data Shaping

## Ordering Information

Capacity	0°C to 70°C
128GB	IM2S3334-128GD
256GB	IM2S3334-256GD
512GB	IM2S3334-512GD

## Dimensions

