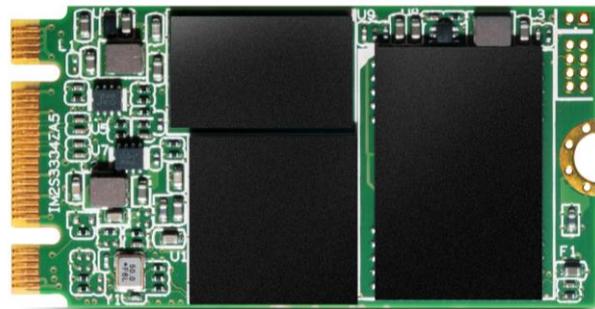


M.2 SSD

ADATA IM2S3334 3D MLC M.2 2242 solid state drives utilize 3D NAND flash, providing higher power efficiency and rugged reliability. Its read/write speed is up to 560/525MB 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
- Wide temperature support: -40°C to 90°C



Target Applications

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

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

● Supported



M.2 SSD

Specifications

Model	IM2S3334 3D MLC
Form Factor	M.2 2242
Flash Type	3D MLC
Operating Voltage	3.3V
Capacity	120GB-512GB
Sequential Read (Max)	Up to 560MB/s
Sequential Write (Max)	Up to 525MB/s
Data Transfer Mode	SATA III 6.0 Gbps
Operating Temperature	Commercial: -10°C to 80°C Industrial: -40°C to 90°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	Commercial -10°C to 80°C
120GB	IM2S3334-120GB
256GB	IM2S3334-256GB
512GB	IM2S3334-512GB

Capacity	Industrial -40°C to 90°C
120GB	IM2S3334-120GC
256GB	IM2S3334-256GC
512GB	IM2S3334-512GC

Dimensions

