

# M.2 SSD



The super-compact IM2S3134N M.2 2242 solid state drive is optimized for industrial and commercial applications, designed for extreme temperatures, and employ a robust controller. With S.M.A.R.T., TRIM Command, and NCQ technologies, the IM2S3134N maintains data integrity and improves overall storage and system performance. For sheer SSD quality, ADATA A+ Testing Methodology delivers superior functionality and reliability. IM2S3134N SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

## Key Features

- Ultra-compact M.2 2242 form factor
- Temperature rating: commercial 0°C to 70°C, industrial -40°C to 85°C
- 4K random write speed: up to 77K IOPS
- High speed MLC NAND Flash
- S.M.A.R.T. function
- TRIM Command and NCQ
- DEVSLP (Device Sleep)



## Target Applications

Interactive devices, medical applications, and personal computing

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Lifetime Monitoring (LTM)	Secure Erase	Temperature Sensor	Power Fail Protection & Recovery	Wear Leveling	TRIM	Low Power Consumption
<b>IM2S3134N</b>	●	●	●	●	●	●	●	●	●	●

● Supported



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## Specifications

Model	IM2S3134N
Interface	M.2 2242
Capacity	32GB-256GB
Flash Type	MLC
Operating Voltage	3.3V
Sequential Read (Max)	550MB/s
Sequential Write (Max)	320MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperatures	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
Operating Humidity	0°C to 55°C / 5%~+95% RH non-condensing
Power Consumption (Max)	2.64W
MTBF (est.)	>1,500,000 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
S.M.A.R.T.	Supported

## Ordering Information

Capacity	MLC 0°C to 70°C	MLC -40°C to 85°C
32GB	IM2S3134N-032GM	IM2S3134N-032GT
64GB	IM2S3134N-064GM	IM2S3134N-064GT
128GB	IM2S3134N-128GM	IM2S3134N-128GT
256GB	IM2S3134N-256GM	IM2S3134N-256GT

## Dimensions

