ADATA Industrial & Enterprise Solutions





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
IM2S3134N	•	•	•	•	•	•	•	•	•	•

Supported



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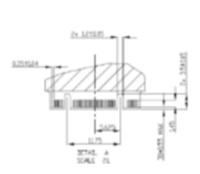
Specifications

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			
Operating Temperatures	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







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