

M.2 SSD



The super-compact 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

- Ultra-compact M.2 2280 form factor
- Temperature rating: commercial -10°C to 80°C, industrial -40°C to 90°C
- High speed MLC NAND Flash
- S.M.A.R.T. function
- ADATA proprietary A+ SLC technology enhances performance, reliability, and lifespan
- TRIM Command and NCQ
- Data Shaping



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
IM2S3328E	●	●	●	●	●	●	●	●	●	●

● Supported



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Specifications

Model	IM2S3328E
Interface	M.2 2280
Capacity	8GB-1TB
Flash Type	MLC
Operating Voltage	3.3V
Sequential Read (Max)	560MB/s
Sequential Write (Max)	450MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperatures	Commercial: -10°C to 80°C Industrial: -40°C to 90°C
Operating Humidity	0°C to 55°C / 5%~+95% RH non-condensing
Power Consumption (Max)	2W
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)	80 x 22 x 3.5mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	MLC -10°C to 80°C	MLC -40°C to 90°C
8GB	IM2S3328E-008GM	IM2S3328E-008GT
16GB	IM2S3328E-016GM	IM2S3328E-016GT
32GB	IM2S3328E-032GM	IM2S3328E-032GT
64GB	IM2S3328E-064GM	IM2S3328E-064GT
128GB	IM2S3328E-128GM	IM2S3328E-128GT
256GB	IM2S3328E-256GM	IM2S3328E-256GT
512GB	IM2S3328E-512GM	IM2S3328E-512GT
1TB	IM2S3328E-001TM	IM2S3328E-001TT

Dimensions

