The ISDD361 industrial-grade SD card implements SLC NAND Flash for superb transfer rates up to 90/60MB per second. It also features low power consumption, high reliability, and compatibility across diverse removable storage applications that require security, convenience, performance, and capacity. With a wide temperature tolerance range of -40°C to 85°C, the ISDD361 can operate normally even in harsh environments. All ADATA industrial-grade SD cards support a range of technologies, including error correcting code (ECC) to ensure the integrity of data transfers by automatically detecting and correcting errors, and wear leveling technology, which ensures data is written evenly across all sectors to extend the life of the memory card.

Key Features

- Complies with SD 2.0 / 3.0 specifications
- Supports SD and SPI modes
- Supports ECC up to 24-bit (256MB/512MB) and 40-bit (1GB-16GB)
- Wear Leveling
- Industrial-grade extended temperature range of -40°C to 85°C

Target Applications

Automation systems (ex: PLC), data loggers, video recorders, high-end digital cameras, handheld computers, monitoring systems, and other compatible industrial devices

	Wide Temperature	ESD & EMI Safe	Shock & Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	Low Power Consumption
ISDD361	●	●	●	●	●	●

● Supported

Specifications

Model	ISDD361
Interface	SD 2.0 / SD 3.0
Capacity	256MB-16GB
Flash Type	SLC
Operating Voltage	3.3V ± 5%
Sequential Read (Max)	SD 2.0: 20MB/s; SD 3.0: 90MB/s
Sequential Write (Max)	SD 2.0: 16MB/s; SD 3.0: 60MB/s
Data Transfer Mode	SD 2.0 / SD 3.0
Operating Temperatures	-40°C to 85°C
Operating Humidity	0°C to 55°C / 5%~95% RH, non-condensing
Power Consumption (Max)	0.6W
Vibration Resistance	30G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	32.0 x 24.0 x 2.1mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	SLC -40°C to 85°C
256MB	ISDD361-256MW
512MB	ISDD361-512MW
1GB	ISDD361-001GW
2GB	ISDD361-002GW
4GB	ISDD361-004GW
8GB	ISDD361-008GW
16GB	ISDD361-016GW

Dimensions