



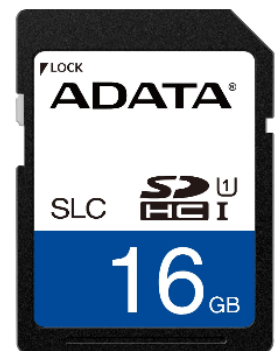
ADATA Industrial & Embedded Solutions

Memory Card

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

- Industrial operating temperature: -40°C to 85°C
- Wide range of capacities from 256MB to 16GB
- Supports BCH ECC and Wear Leveling
- S.M.A.R.T. feature supported
- Hardware Power Detector and Flash Protection
- Low power consumption: 0.6W



Target Applications

GPS, Handheld device, Video recorder, High-end digital camera, Road monitoring system

30μ Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
—	—	—	●	●	●	●	●	●	—	●

● Supported — Not available

Specifications

Model	ISDD361
Interface	SD 2.0 / 3.0
Compatibility	SD 2.0 / 3.0
Dimensions (L x W x H)	32 x 24 x 2.1mm
Flash Type	SLC
Capacity	256MB – 16GB
Sequential Read (Max.)	SD 2.0: Up to 20MB/s, SD 3.0: Up to 90MB/s
Sequential Write (Max.)	SD 2.0: Up to 16MB/s, SD 3.0: Up to 70MB/s
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V ± 5%
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max.)	0.6W
MTBF (Est.)	>2,000,000 hours
Shock Resistance	1500G/0.5ms, Half Sine Wave
Vibration Resistance	30G (10-2000Hz)
Technologies	BCH ECC, S.M.A.R.T., Wear Leveling

Ordering Information

Capacity	Industrial (-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

