

# Industrial SD



ADATA's industrial-grade CompactFlash card provides durability, reliability, safety and convenience all in one card. The form ADATA's industrial-grade SD cards offer tremendous performance and superior transfer rates with low power consumption. They are suitable for removable storage applications that require security, convenience, and great performance. The industrial-grade temperature (40°C to +85°C) range is suitable for demanding industrial environments that require high reliability. Industrial SD cards utilize premium components, and provide a number of enhanced features such as S.M.A.R.T, ECC, Wear Leveling, and Flash protection.

## Key Features

- Uses Industrial-grade SLC NAND Flash
- Supports SD and SPI modes
- Supports Wear Leveling function
- Supports Auto Standby and Sleep Mode
- Data read/write protection switch



## Target Applications

Card video recorder, high-end digital cameras, handheld GPS, road monitoring systems, POS terminals, handheld devices and high-end electronic devices

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	Low Power Consumption
<b>IDC14</b>	●	●	●	●	●	●

● Supported



# Industrial SD



## Specifications

Model	IDC14
Interface	SD 2.0 Compliance
Capacity	1GB-4GB
Flash Type	SLC
Operating Voltage	DC 2.7V ~ 3.6V
Sequential Read (Max)	Up to 20MB/s
Sequential Write (Max)	Up to 16MB/s
Data Transfer Mode	SD1.1/2.0
Operating Temperatures	Commercial: -25°C to +85°C Industrial: -40°C to 85°C
Operating Humidity	0°C to 55°C / 5%~95% RH, non-condensing
Power Consumption (Max)	0.3W
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	24 x 32 x 2.1mm
S.M.A.R.T.	Supported

## Ordering Information

Capacity	SLC -25°C to 85°C	SLC -40°C to 85°C
1GB	IDC14-001GF	IDC14-001GW
2GB	IDC14-002GF	IDC14-002GW
4GB	IDC14-004GF	IDC14-004GW

## Dimensions

