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 (40⁰C to +85⁰C) 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

● Compliant with SD 3.0 specifications

● 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
IDC3B	●	●	●	●	●	●

● Supported

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Specifications

Model	IDC3B
Interface	SD 3.0 Compliance
Capacity	4GB-256GB
Flash Type	MLC
Operating Voltage	DC 2.7V ~ 3.6V
Sequential Read (Max)	Up to 80MB/s
Sequential Write (Max)	Up to 60MB/s
Data Transfer Mode	SD 1.1/2.0/3.0
Operating Temperatures	Commercial: -25^{0}C to +85^{0}C Industrial: -40^{0}C to 85^{0}C
Operating Humidity	0^{0}C to 55^{0}C / 5%~95% RH, non-condensing
Power Consumption (Max)	0.95W
Vibration Resistance	20G (20-2000Hz)
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	MLC -25°C to 85°C	MLC -40°C to 85°C
4GB	IDC3B-004GM	IDC3B-004GT
8GB	IDC3B-008GM	IDC3B-008GT
16GB	IDC3B-016GM	IDC3B-016GT
32GB	IDC3B-032GM	IDC3B-032GT
64GB	IDC3B-064GM	IDC3B-064GT
128GB	IDC3B-128GM	IDC3B-128GT
256GB	IDC3B-256GM	IDC3B-256GT

Dimensions