ADATA Industrial & Enterprise Solutions



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

- 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

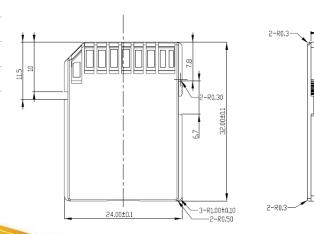
Model	IDC3B		
Interface	SD 3.0 Compliance		
Capacity	4GB-256GB		
Flash Type	MLC		
Operating Voltage	DC 2.7V ~ 3.6V		
Sequential Read (Max)	Up to 80MB/s		
Sequential Write (Max)	Up to 60MB/s		
Data Transfer Mode	SD 1.1/2.0/3.0		
Operating Temperatures	Commercial: -25ºC to +85ºC		
	Industrial: -40°C to 85°C		
Operating Humidity	0°C to 55°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







1.4 +0.2