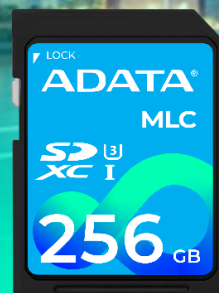


# Industrial SD Card

## IDC3B



The IDC3B industrial-grade SD card implements MLC NAND Flash and sports a 3K P/E cycle rating for great durability and high capacity. For excellent data integrity, the IDC3B supports BCH ECC (Error Correction) and Wear Leveling technologies. The IDC3B is highly reliable and compatible as well as power efficient, and is ideally suited for applications such as automation, surveillance, healthcare, POS, in-vehicle and handheld devices.

### Features

- Compliant with SD 2.0/3.0 specifications
- 3K P/E Cycles – improved endurance and reliability
- Wide temperature support: -40°C to 85°C
- Low power consumption: 0.72W
- BCH ECC (error correction) technology
- Supports Wear Leveling and S.M.A.R.T. Monitor
- Suitable for automation, surveillance, healthcare, POS, in-vehicle, and handheld devices

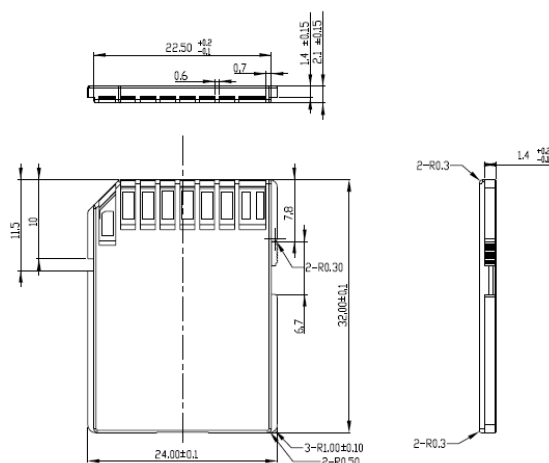
### Ordering Information

Operating Temp.	8GB	16GB	32GB	64GB	128GB	256GB
-25°C to 85°C	IDC3B-008GM	IDC3B-016GM	IDC3B-032GM	IDC3B-064GM	IDC3B-128GM	IDC3B-256GM
-40°C to 85°C	IDC3B-008GT	IDC3B-016GT	IDC3B-032GT	IDC3B-064GT	IDC3B-128GT	IDC3B-256GT

## Specifications

Model	IDC3B
Form Factor	SD
Capacity	8GB – 256GB
Interface	SD 2.0/3.0
Flash Type	MLC
Dimensions (L x W x H)	32 x 24 x 2.1mm
Sequential Read (Max.)	95MB/s
Sequential Write (Max.)	69MB/s
Speed Class	UHS Speed : Class 3
Operating Temperature (Standard)	-25°C to 85°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.6V
Power Consumption (Max.)	0.72W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	BCH ECC, Wear Leveling, Garbage Collection, Bad Block Management, S.M.A.R.T. Monitor

## Diagram



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