

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

- 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 | 8GB-256GB |
| Flash Type | MLC |
| Operating Voltage | DC 2.7V ~ 3.6V |
| Sequential Read (Max) | Up to 50MB/s |
| Sequential Write (Max) | Up to 10MB/s |
| Data Transfer Mode | SD 1.1/2.0/3.0 |
| Operating Temperatures | Commercial: -25°C to +85°C Industrial: -40°C to 85°C |
| Operating Humidity | 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 | MLC |
|----------|---------------|---------------|
| | -25°C to 85°C | -40°C to 85°C |
| 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

