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

Target Applications

Handheld GPS, smart phones, mobile computers and other compatible industrial devices

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	Low Power Consumption
IDU3A	●	●	●	●	●	●

● Supported

Specifications

Model	IDU3A
Interface	SD 3.0 Compliance
Capacity	4GB-32GB
Flash Type	MLC
Operating Voltage	DC 2.7V ~ 3.6V
Sequential Read (Max)	Up to 70MB/s
Sequential Write (Max)	Up to 30MB/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	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)	11 x 15 x 1mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	MLC -25°C to 85°C	MLC -40°C to 85°C
4GB	IDU3A-004GM	IDU3A-004GT
8GB	IDU3A-008GM	IDU3A-008GT
16GB	IDU3A-016GM	IDU3A-016GT
32GB	IDU3A-032GM	IDU3A-032GT

Dimensions