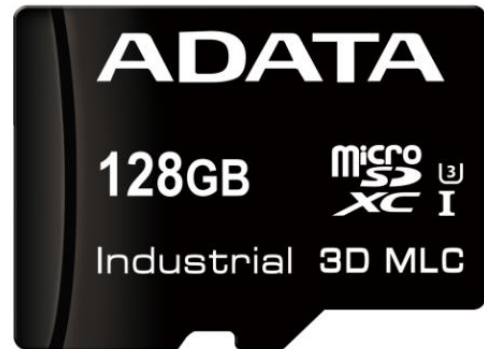The IUDD336 industrial-grade microSD cards implement 3D MLC NAND Flash for superb transfer rates up to 95/90MB per second. They also feature low power consumption, high reliability, and compatibility across diverse removable storage applications that require security, convenience, performance, and capacity. With a wide temperature tolerance range of -40°C to 85°C, the IUDD336 can operate normally even in harsh environments. All ADATA industrial-grade SD cards support a range of technologies, including error correcting code (ECC) to ensure the integrity of data transfers by automatically detecting and correcting errors, and wear leveling technology, which ensures data is written evenly across all sectors to extend the life of the memory card.

Key Features

● 3D NAND Flash for improved durability and power efficiency
● Complies with SD 3.0 specifications
● Supports SD and SPI modes
● Industrial-grade extended temperature range of -40°C to 85°C; commercial temperature range of -25°C to 85°C
● Error Correction Code
● Wear Leveling

Target Applications

GPS, handheld devices, smartphones and mobile computers

	Wide Temperature	ESD & EMI Safe	Shock & Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	Low Power Consumption
IUDD336	●	●	●	●	●	●

● Supported

Specifications

Model	IUDD336
Interface	SD 3.0
Capacity	16GB~128GB
Flash Type	3D MLC
Operating Voltage	3.3V ± 5%
Sequential Read (Max)	95MB/s
Sequential Write (Max)	90MB/s
Data Transfer Mode	SD 2.0 / SD 3.0
Operating Temperatures	Commercial: -25⁰C to 85⁰C Industrial: -40⁰C to 85⁰C
Operating Humidity	5%~95% RH, non-condensing
Power Consumption (Max)	0.5W
Vibration Resistance	20G (20-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	11 x 15 x 1mm
Write Protection	Supported

Ordering Information

Capacity	Commercial -25°C to 85°C	Industrial -40°C to 85°C
16GB	IUDD336-016GB	IUDD336-016GC
32GB	IUDD336-032GB	IUDD336-032GC
64GB	IUDD336-064GB	IUDD336-064GC
128GB	IUDD336-128GB	IUDD336-128GC

Dimensions