



## ADATA Industrial & Embedded Solutions

# Memory Card

The ADATA IUDD33H industrial-grade microSD card implements MLC Flash to achieve speeds of up to 70/20MB per second. What's more, it has the advantages of being highly reliable and compatible as well as power efficient. The IUDD33H is ideally suited for applications such as industrial automation, surveillance systems, and point of sale systems. For excellent durability, the IUDD33H is built to withstand wide-temperature ranges (-40°C to 85°C). The IUDD33H also supports wear leveling technologies, and features ADATA's proprietary A+ SLC technology for a long product lifespan.

### Key Features

- Durable and reliable MLC Flash
- P/E Cycle upgrade to 3K – improved endurance and reliability
- Meets SD 3.0 standard
- Supports SD and SPI modes
- Industrial operating temperature: -40°C to 85°C
- Low power consumption: 0.5W
- Supports S.M.A.R.T., Wear Leveling, End-to-End Data Protection, A+ SLC Mode



### Target Applications

Surveillance / Automation / Gaming / Portable Devices / In-Vehicle / POS system

30μ Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
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● Supported    — Not available

## Specifications

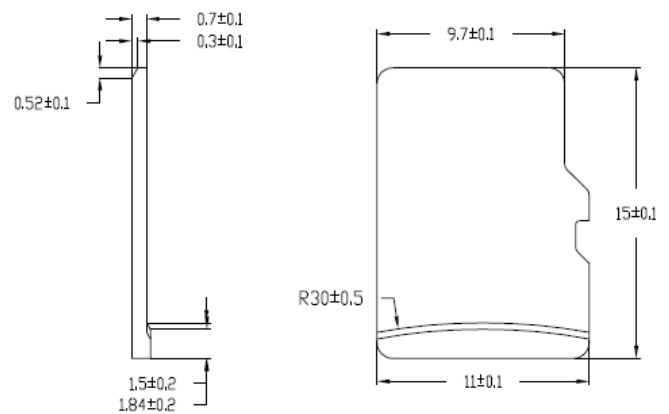
Model	IUDD33H
Interface	SD 3.0
Compatibility	SD 3.0
Dimensions (L x W x H)	11 x 15 x 1mm
Flash Type	MLC
Capacity	4GB / 8GB / 16GB
Sequential Read (Max.)	70MB/s
Sequential Write (Max.)	20MB/s
Speed Class	UHS Speed : Class 1 Speed Class : Class 10
Operating Temperature (Commercial)	-25°C to 85°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V ± 5%
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max.)	0.5W
MTBF (Est.)	>2,000,000 hours
Shock Resistance	1500G/0.5ms, Half Sine Wave
Vibration Resistance	20G (10-2000Hz)
Technologies	S.M.A.R.T., Wear Leveling, Flash Protection, A+ SLC Mode

## Ordering Information

Capacity	MLC	MLC
	Commercial (-25°C to 85°C)	Industrial (-40°C to 85°C)
4GB	IUDD33H-004GG	IUDD33H-004GT
8GB	IUDD33H-008GG	IUDD33H-008GT
16GB	IUDD33H-016GG	IUDD33H-016GT



## Dimensions



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