

## microSD Card

### IUDD33H



The ADATA IUDD33H industrial-grade microSD card implements MLC Flash and provides P/E cycles up to 3K rating. 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.

### Features

- 3K P/E Cycles – improved endurance and reliability
- Supports BCH ECC (Error Correcting Code) technology
- Wide-Temperature operability: -40°C to 85°C
- Supports Wear Leveling and S.M.A.R.T. Monitor
- Suitable for industrial automation, surveillance, POS, healthcare and in-vehicle applications

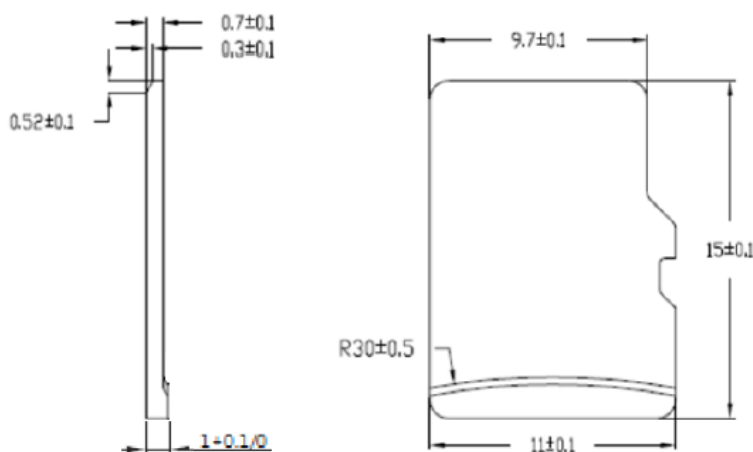
### Ordering Information

Operating Temp.	4GB	8GB	16GB
-25°C to 85°C	IUDD33H-004GG	IUDD33H-008GG	IUDD33H-016GG
-40°C to 85°C	IUDD33H-004GT	IUDD33H-008GT	IUDD33H-016GT

**Specifications**

Model	IUDD33H
Form Factor	microSD
Capacity	4GB – 16GB
Interface	SD 2.0/3.0
Flash Type	MLC
Dimensions (L x W x H)	11 x 15 x 1mm
Sequential Read (Max.)	97MB/s
Sequential Write (Max.)	35MB/s
Speed Class	UHS Speed : Class 1
Operating Temperature (Standard)	-25°C to 85°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.6V
Power Consumption (Max.)	0.36W
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**



Unit: mm

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