

## microSD Card

### IDU3A



The ADATA IDU3A 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 IDU3A is ideally suited for applications such as industrial automation, surveillance systems, and point of sale systems. For excellent durability, the IDU3A is built to withstand wide-temperature ranges (-40°C to 85°C). The IDU3A 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
- Wide temperature support: -40°C to 85°C
- BCH ECC (error correction) technology
- Supports Wear Leveling and S.M.A.R.T. Monitor
- Suitable for automation, surveillance, healthcare, POS, in-vehicle, and handheld devices

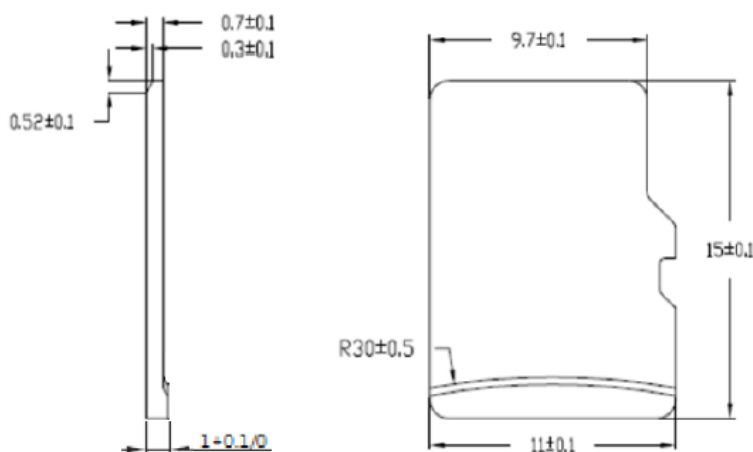
### Ordering Information

Operating Temp.	8GB	16GB	32GB	64GB
-25°C to 85°C	IDU3A-008GM	IDU3A-016GM	IDU3A-032GM	IDU3A-064GM
-40°C to 85°C	IDU3A-008GT	IDU3A-016GT	IDU3A-032GT	IDU3A-064GT

**Specifications**

Model	IDU3A
Form Factor	microSD
Capacity	8GB – 64GB
Interface	SD 2.0/3.0
Flash Type	MLC
Dimensions (L x W x H)	11 x 15 x 1mm
Sequential Read (Max.)	96MB/s
Sequential Write (Max.)	67MB/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.)	0.63W
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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