

## microSD Card

### IUDD33K



The ADATA IUDD33K industrial-grade A2 (Application Performance Class 2) microSD card implements 3D TLC Flash and sports a 3K-100K P/E cycle rating for great reliability. In addition, it also meets the V30 (Video Speed Class) standard for high-quality recording. For excellent data integrity, the IUDD33K supports LDPC ECC (Error Correcting Code) and Wear Leveling technologies. The IUDD33K is ideally suited for applications such as industrial automation, surveillance, POS, healthcare, and more.

### Features

- Compliant with SD 6.1 specifications
- 3K- 100K P/E Cycles – improved endurance and reliability
- Wide-temperature operation: -40°C to 85°C
- Meets V30 (Video Speed Class) standard and A2 (Application Performance Class) standard
- Supports LDPC ECC Technology, Wear Leveling, Garbage Collection, and Bad Block Management
- Suitable for industrial automation, surveillance, POS, healthcare, and in-vehicle applications

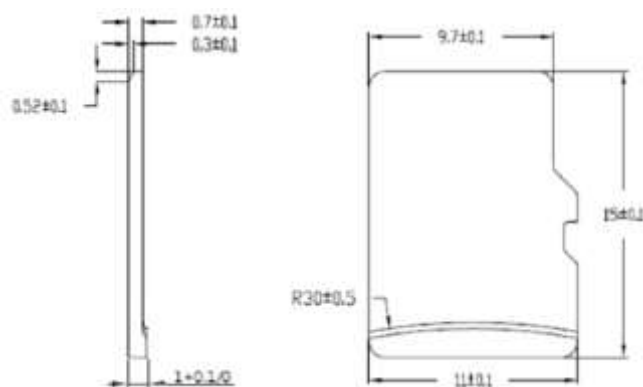
### Ordering Information

Operating Temp.	16GB	32GB	64GB	128GB	256GB	512GB
-25°C to 85°C	IUDD33K-016GEAB5	IUDD33K-032GEAB5	IUDD33K-064GEAB5	IUDD33K-128GETB5	IUDD33K-256GETB5	IUDD33K-512GETB5
			IUDD33K-064GETB5			
-40°C to 85°C	IUDD33K-016GIAB5	IUDD33K-032GIAB5	IUDD33K-064GIAB5	IUDD33K-128GITB5	IUDD33K-256GITB5	IUDD33K-512GITB5
			IUDD33K-064GITB5			

## Specifications

Model	IUDD33K
Form Factor	microSD
Capacity	16GB – 512GB
Interface	SD 6.1
Flash Type	3D TLC 112L, A <sup>+</sup> SLC
Dimensions (L x W x H)	11 x 15 x 1mm
Sequential Read (Max.)	97MB/s
Sequential Write (Max.)	83MB/s
Speed Class	UHS Speed : Class 3/ Speed Class : Class 10/ Video Speed Class : V30
Operating Temperature (Standard)	-25°C to 85°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.6V
Power Consumption (Max)	0.99W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	LDPC ECC, Wear Leveling, Garbage Collection, Bad Block Management, S.M.A.R.T. Monitor

## Diagram



Unit: mm

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