ADATA®
INDUSTRIAL

Datasheet

microSD Card

IUDD33K



The ADATA IUDD33K industrial-grade A1 (Application Performance Class 1) microSD card implements 3D TLC Flash, sports a 3K P/E cycle rating for great reliability. In addition, it also meets the V10 (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 P/E Cycles – improved endurance and reliability
- Meets V10 (Video Speed Class) standard
- Meets A1 (Application Performance Class) standard
- LDPC ECC Technology
- Supports Wear Leveling, Garbage Collection and Bad Block Management
- Suitable for industrial automation, surveillance, POS, healthcare and in-vehicle applications

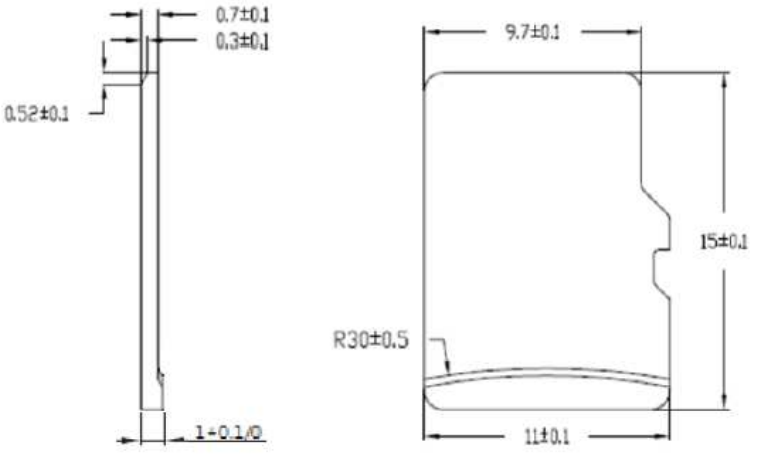
Ordering Information

Operating Temp.	32GB	64GB	128GB	256GB	512GB
-25°C to 85°C	IUDD33K-032GR	IUDD33K-064GR	IUDD33K-128GR	IUDD33K-256GR	IUDD33K-512GR

Specifications

Model	IUDD33K
Form Factor	microSD
Capacity	32GB – 512GB
Interface	SD 6.1
Flash Type	96L 3D TLC
Dimensions (L x W x H)	11 x 15 x 1mm
Sequential Read (Max.)	96MB/s
Sequential Write (Max.)	86MB/s
Speed Class	UHS Speed : Class 1/ Speed Class : Class 10/ Video Speed Class : V10
Operating Temperature (Standard)	-25ºC to 85ºC
Operating Voltage	3.6V
Power Consumption (Max)	0.77W
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

Diagram



Unit: mm

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