

CFast Card

ISC3E (MLC)



The ADATA ISC3E industrial-grade CFast cards utilize MLC NAND flash for 3K P/E cycle rating to ensure long-lasting durability. What's more, with BCH ECC error correction the ISC3E can ensure data accuracy and integrity. Customers can also benefit from S.M.A.R.T. technologies for easy management and real-time monitoring of ADATA cards. The ISC3E is ideally suited for applications such as automation, IPC, retail (POS, Kiosks), networking, surveillance and healthcare.

Features

- Compliant with CFast 2.0 specifications
- 3K P/E Cycles – improved endurance and reliability
- BCH ECC error correction and Wear Leveling
- Wide temperature support: -40°C to 85°C
- A+ SLC technology to elevate the product longevity and performance to SLC grade

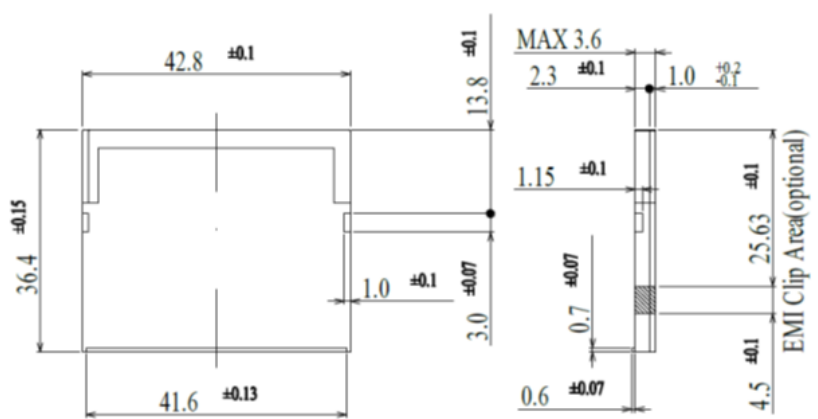
Ordering Information

Operating Temp.	4GB	8GB	16GB	32GB	64GB	128GB
0°C to 70°C (MLC)	-	ISC3E-008GM	ISC3E-016GM	ISC3E-032GM	ISC3E-064GM	ISC3E-128GM
-40°C to 85°C (MLC)	-	ISC3E-008GT	ISC3E-016GT	ISC3E-032GT	ISC3E-064GT	ISC3E-128GT
0°C to 70°C (A+ SLC)	ISC3E-004GA	ISC3E-008GA	ISC3E-016GA	ISC3E-032GA	ISC3E-064GA	-
-40°C to 85°C (A+ SLC)	ISC3E-004GE	ISC3E-008GE	ISC3E-016GE	ISC3E-032GE	ISC3E-064GE	-

Specifications

Model	ISC3E (MLC)
Form Factor	CFast 2.0
Capacity	8GB – 128GB
Interface	SATA III
Flash Type	MLC
Dimensions (L x W x H)	36.5 x 42.9 x 3.6mm
Sequential Read (Max.)	540MB/s
Sequential Write (Max.)	210MB/s
Operating Temperature (Standard)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V
Power Consumption (Max.)	1.5W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	A ⁺ SLC, BCH ECC, Wear Leveling, NCQ and TRIM command, Garbage collection, S.M.A.R.T. Monitoring

Diagram



Unit: mm

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