

CFast Card

ISC3E (H/W Write Protect Edition)



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, the ISC3E CFast cards support BCH ECC error correction to ensure data accuracy and integrity, and H/W write protect technology to protect data from being tampered with. 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
- H/W Write Protect for enhanced data security
- Wide temperature support: -40°C to 85°C
- BCH ECC error correction, Wear Leveling S.M.A.R.T. Monitoring
- A+ SLC technology to elevate the product longevity and performance to SLC grade

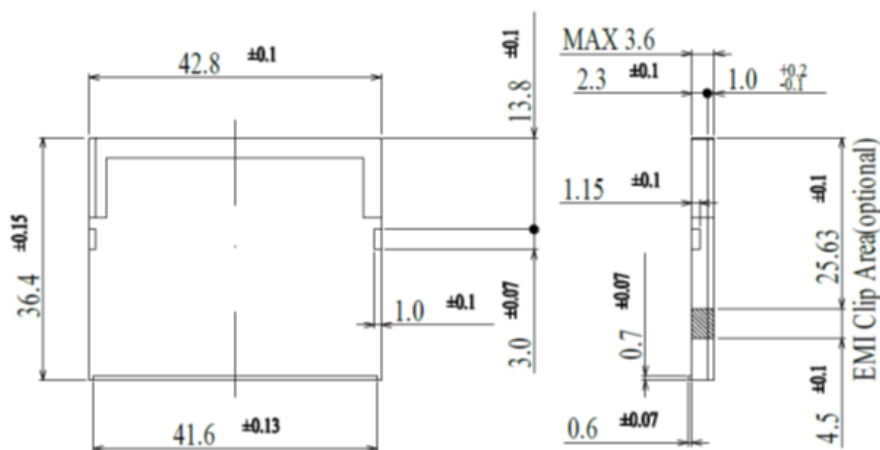
Ordering Information

Operating Temp.	4GB	8GB	16GB	32GB	64GB	128GB
(MLC) 0°C to 70°C	—	ISC3E-008GMW	ISC3E-016GMW	ISC3E-032GMW	ISC3E-064GMW	ISC3E-128GMW
(MLC) -40°C to 85°C	—	ISC3E-008GTW	ISC3E-016GTW	ISC3E-032GTW	ISC3E-064GTW	ISC3E-128GTW
(A+ SLC) 0°C to 70°C	ISC3E-004GAW	ISC3E-008GAW	ISC3E-016GAW	ISC3E-032GAW	ISC3E-064GAW	—
(A+ SLC) -40°C to 85°C	ISC3E-004GEW	ISC3E-008GEW	ISC3E-016GEW	ISC3E-032GEW	ISC3E-064GEW	—

Specifications

Model	ISC3E (H/W Write Protect Edition)
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	H/W Write Protect, 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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