

INDUSTRIAL



ADATA Industrial & Embedded Solutions

CFast Card

ADATA ISC3E SLC CFast cards combine the form-factor of a CF card with the high-speed SATA interface for both high reliability and secure operation. The product provides industrial applications with better, more convenient performance. The industrial-grade extended temperature range of -40°C to +85°C is suitable for high-end instruments and equipment that must operate in harsh environments. The ADATA CFast card supports a range of technology, including error correcting code (ECC), which ensures the integrity of data transfers by automatically detecting and correcting errors, and Wear Leveling technology, which ensures data is written evenly across all sectors, extending the life of the memory card.

Key Features

- Compatible with CFast 2.0 specifications
- Built-in Error Correcting Code (ECC)
- SLC NAND Flash for higher durability and longer lifespan
- Low power consumption: 1.1W
- Supports ECC and Wear Leveling
- S.M.A.R.T feature supported
- NCQ Command set supported



Target Applications

Gaming, Networking, POS System, Kiosk, HMI (Industrial Panel), Industrial Control, Medical, Military, Aerospace

30μ Golden Finger	Anti-Sulfur Resistor		Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
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Supported

- Not available

▲ By Request

Specifications

Model	ISC3E SLC		
Interface			
interface	SATA III 6.0Gbps		
Form Factor	7+17 pin SATA		
Dimensions (L x W x H)	36.4 x 42.8 x 3.6mm		
Flash Type	SLC		
Capacity	4GB – 64GB		
Sequential Read (Max.)	165MB/s		
Sequential Write (Max.)	170MB/s		
Operating Temperature (Commercial)	0°C to 70°C		
Operating Temperature (Industrial)	-40°C to 85°C		
Operating Voltage	3.3V		
Operating Humidity	5%-95% RH non-condensing		
Power Consumption (Max.)	1.1W		
MTBF (Est.)	>2,000,000 hours		
Shock Resistance	1500G/0.5ms, Half Sine Wave		
Vibration Resistance	20G (10-2000Hz)		
	ECC, Flash Management, Wear Leveling,		
Technologies	H/W Power Detector and Flash Protection, S.M.A.R.T.		

Ordering Information

Compositu	Commercial	Industrial		
Capacity	(0°C to 70°C)	(-40°C to 85°C)		
4GB	ISC3E-004GF	ISC3E-004GW		
8GB	ISC3E-008GF	ISC3E-008GW		
16GB	ISC3E-016GF	ISC3E-016GW		
32GB	ISC3E-032GF	ISC3E-032GW		
64GB	ISC3E-064GF	ISC3E-064GW		







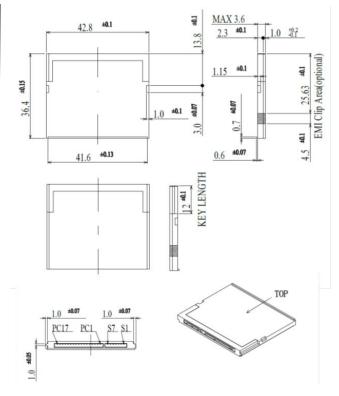








Dimensions





ADATA Technology

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