

CFast



ADATA ISC3E CFast cards combine the form-factor of a CF card with the high-speed SATA III 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

- Fully compatible with standard SATA I/II/III specs
- Ultra-fast R/W speed up to 430/170MB/s
- Built-in Error Correcting Code (ECC)
- S.M.A.R.T. data integrity verification
- Supports Wear Leveling
- Low power consumption
- Compatible with CFast 2.0 specifications
- Flash Management
- H/W power detector and Flash Protection
- Extra-thick 30μ gold-plated contact pins



Target Applications

Networking, POS System, Kiosk, Industrial Control, Personal Computing, Interactive Device, Gambling and Lottery Machine, Medical Application, Military, Aerospace

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Power Fail Protection & Recovery	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
ISC3E	●	●	●	△	●	●	●	●	●	●

● Supported △ By Request



CFast



Specifications

Model	ISC3E	
Interface	7+17 pin SATA	7+17 pin SATA
Capacity	4GB-64GB	4GB-128GB
Flash Type	SLC	MLC
Operating Voltage	3.3V	3.3V
Sequential Read (Max)	Up to 165MB/s	Up to 430MB/s
Sequential Write (Max)	Up to 170MB/s	Up to 120MB/s
Data Transfer Mode	SATA III 6Gbps	SATA III 6Gbps
Operating Temperatures	Commercial: 0°C to 70°C Industrial: -40°C to 85°C	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
Operating Humidity	5%~95% RH non-condensing	5%~95% RH non-condensing
Power Consumption (Max)	1.1W	1.1W
Vibration Resistance	20G (10-2000Hz)	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	36.4 x 42.8 x 3.6mm	36.4 x 42.8 x 3.6mm
S.M.A.R.T.	Supported	Supported

Ordering Information

Capacity	SLC 0°C to 70°C	SLC -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
Capacity	MLC 0°C to 70°C	MLC -40°C to 85°C
4GB	ISC3E-004GM	ISC3E-004GT
8GB	ISC3E-008GM	ISC3E-008GT
16GB	ISC3E-016GM	ISC3E-016GT
32GB	ISC3E-032GM	ISC3E-032GT
64GB	ISC3E-064GM	ISC3E-064GT
128GB	ISC3E-128GM	ISC3E-128GT

Dimensions

