ADATA ICFS332 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 90°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 560/400MB/s
- Wide Temperature Support: -40°C to 90°C
- 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

Iindustrial computers, medical equipment, gambling machines, lottery machines, POS systems, kiosks and other industrial control related applications

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Lifetime Monitoring (LTM)	Secure Erase	Temperature Sensor	Wear Leveling	TRIM	Low Power Consumption
ICFS332	●	●	●	●	●	●	●	●	●

● Supported

Specifications

Model	ICFS332
Interface	7+17 pin SATA
Capacity	8GB-64GB
Flash Type	SLC
Operating Voltage	3.3V
Sequential Read (Max)	Up to 560MB/s
Sequential Write (Max)	Up to 400MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperatures	Commercial: 0°C to 70°C Industrial: -40°C to 90°C
Operating Humidity	5%~95% RH non-condensing
Power Consumption (Max)	5W
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	36.4 x 42.8 x 3.6mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	SLC 0°C to 70°C	SLC -40°C to 90°C
8GB	ICFS332-008GF	ICFS332-008GW
16GB	ICFS332-016GF	ICFS332-016GW
32GB	ICFS332-032GF	ICFS332-032GW
64GB	ICFS332-064GF	ICFS332-064GW

Dimensions