



ADATA Industrial & Embedded Solutions

CFast Card

The ADATA ICFS331 CFast cards aim at the application of gaming and lottery machines with its "H/W Write Protect" function, which can prevent data from being tampered. Implementing MLC NAND Flash and SATA III interface, the ICFS331 provides high compatibility and is easy to install. Its read/write speed is up to 550/210MB per second and consumes only 1.1W for great power efficiency. In addition, it supports multiple technologies, such as Error Correcting Code (ECC) for data integrity, Wear Leveling for longer product lifespan, S.M.A.R.T., NCQ and TRIM Command.

Key Features

- H/W Write Protect
- Compliant with CFast 2.0 specification
- Wide capacity range: 8GB to 128GB
- Low Power Consumption: 1.1W
- Error Correction Code (ECC)
- Wear Leveling
- Flash Management
- S.M.A.R.T., NCQ and TRIM Command
- H/W Power Detector and Flash Protection



Target Applications

Gambling Machines, Industrial Computers, Medical Equipment, Lottery Machines, POS, Kiosks and other industrial control related applications

30u Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
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● Supported ▲ By Request

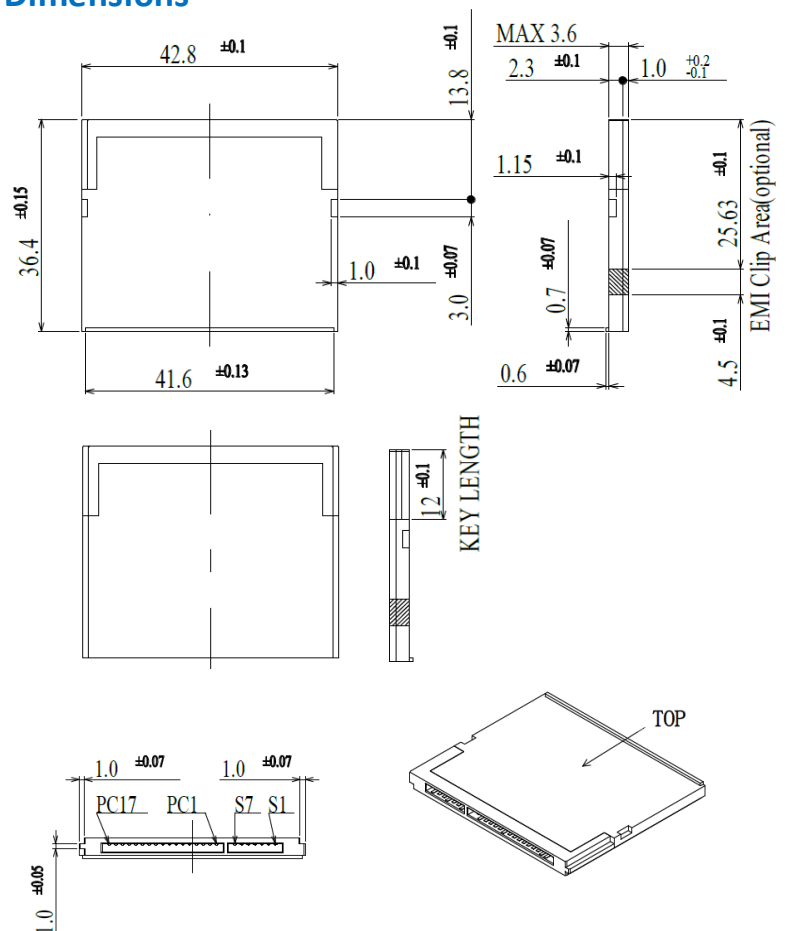
Specifications

Model	ICFS331
Capacity	8GB / 16GB / 32GB / 64GB / 128GB
Dimensions (L x W x T)	36.4 x 42.8 x 3.6mm
Form Factor	7+17 pin SATA
Interface	SATA III 6.0Gbps
Flash Type	MLC
Sequential Read (Max.)	550MB/s
Sequential Write (Max.)	210MB/s
Operating Temperature (Commercial)	0°C to 70°C
Operating Voltage	3.3V
Operating Humidity	5%-95% RH, non-condensing
Power Consumption (Max)	1.1W
MTBF (Est)	1,000,000 hours
Shock Resistance	1500G/0.5ms, Half Sine Wave
Vibration Resistance	20G (10-2000Hz)
Technologies	H/W Write Protect, ECC, Wear Leveling, S.M.A.R.T., H/W Power Detector and Flash Protection

Ordering Information

Capacity	Part Number
8GB	ICFS331-008GM
16GB	ICFS331-016GM
32GB	ICFS331-032GM
64GB	ICFS331-064GM
128GB	ICFS331-128GM

Dimensions



ADATA Technology

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