



## 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: ideal for gaming machines
- Compatible with CFast 2.0 specifications
- Wide capacity range: 8GB to 128GB
- Low Power Consumption: 1.1W
- Error Correction Code (ECC)
- Supports Wear Leveling and Flash Management



### Target Applications

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

30μ 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    — Not available    ▲ By Request

## Specifications

Model	ICFS331
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	MLC
Capacity	8GB – 128GB
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	ECC, Flash Management, Wear Leveling, H/W Power Detector and Flash Protection

## Ordering Information

Capacity	Commercial (0°C to 70°C)
8GB	ICFS331-008GM
16GB	ICFS331-016GM
32GB	ICFS331-032GM
64GB	ICFS331-064GM
128GB	ICFS331-128GM



## Dimensions

