## ADATA Industrial & Embedded Solutions

# CFast Card

ADATA ISC3E MLC 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)
- Wide capacity range from 8GB to 256GB
- 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 | Conformal Coating | Wide Temperature | EDS & EMI Safe | Shock & Vibration Resistant | Lifetime Monitoring (LTM) | Wear Leveling | Secure Erase | TRIM | Low Power Consumption |
|---|---|---|---|---|---|---|---|---|---|---|
| — | ● | — | ● | ● | ● | ▲ | ● | ● | ● | ● |

● Supported    — Not available    ▲ By Request

## Specifications

| Model | ISC3E MLC |
|---|---|
| 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 – 256GB |
| Sequential Read (Max.) | 500MB/s |
| Sequential Write (Max.) | 300MB/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) |
| Technologies | ECC, Flash Management, Wear Leveling, H/W Power Detector and Flash Protection, S.M.A.R.T. |

## Ordering Information

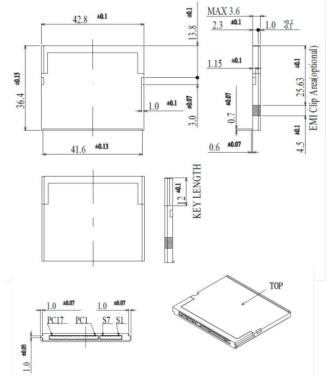| Capacity | Commercial (0°C to 70°C) | Industrial (-40°C to 85°C) |
|---|---|---|
| 8GB | ISC3E-008GM | ISC3E-008GT |
| 16GB | ISC3E-016GM | ISC3E-016GT |
| 32GB | ISC3E-032GM | ISC3E-032GT |
| 64GB | ISC3E-064GM | ISC3E-064GT |
| 128GB | ISC3E-128GM | ISC3E-128GT |
| 256GB | ISC3E-256GM | – |

## Dimensions



ADATA Technology
2F, No. 258, Liancheng Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan