



ADATA Industrial & Embedded Solutions

CompactFlash Card

The ADATA IPC39 industrial-grade CompactFlash cards provide high durability, reliability, and operations security to meet the requirements of commercial and industrial applications, which include industrial computers, thin clients, casino gaming consoles, lottery machines, point of sale (POS) systems, interactive kiosks, and other critical applications. Customers can also purchase flash memory cards according to specific and customized necessities. ADATA industrial-grade CompactFlash cards support error correcting code (ECC) functionality, which automatically detects and corrects errors, and static wear-leveling technology, which evenly maps data over an entire system to extend the lifespan of the memory card.

Key Features

- Compliant with CF 6.0/4.0 specifications
- Built-in Error Correcting Code (ECC)
- Supports Industrial-grade extended temperature range of -40°C to +85°C
- Low power consumption: 1W
- Supports ECC and Wear Leveling
- S.M.A.R.T. feature 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	Power Fail Protection & Recovery	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
—	—	—	●	●	●	●	●	—	●	●

● Supported — Not available

Specifications

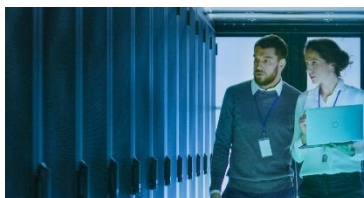
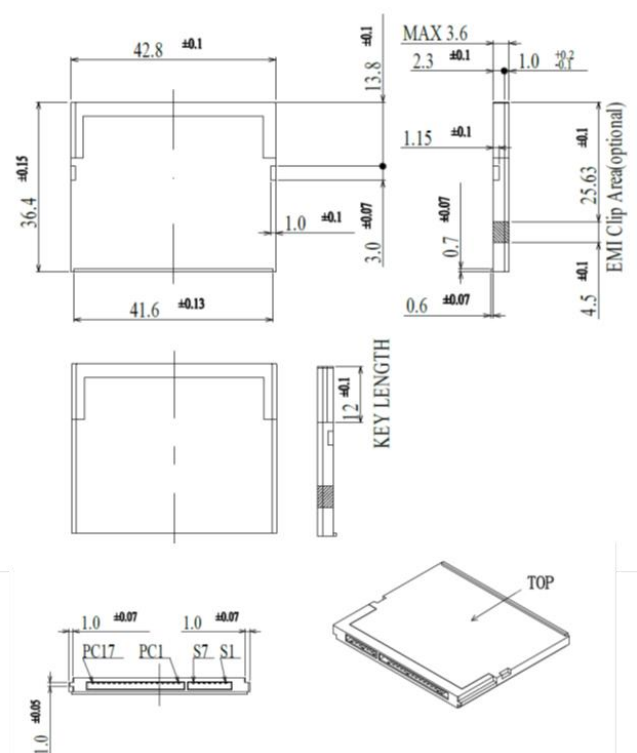
Model	IPC39
Interface	PIO Mode 0-6 / Multi-Word DMA Mode 0-4 / Ultra DMA Mode 0-4
Form Factor	50pin CF (ATA)
Dimensions (L x W x H)	36.4 x 42.8 x 3.6mm
Flash Type	MLC
Capacity	8GB – 128GB
Sequential Read (Max.)	120MB/s
Sequential Write (Max.)	100MB/s
Operating Temperature (Commercial)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V / 5V
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max.)	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)	Industrial (-40°C to 85°C)
8GB	IPC39-008GM	IPC39-008GT
16GB	IPC39-016GM	IPC39-016GT
32GB	IPC39-032GM	IPC39-032GT
64GB	IPC39-064GM	IPC39-064GT
128GB	IPC39-128GM	IPC39-128GT



Dimensions



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