



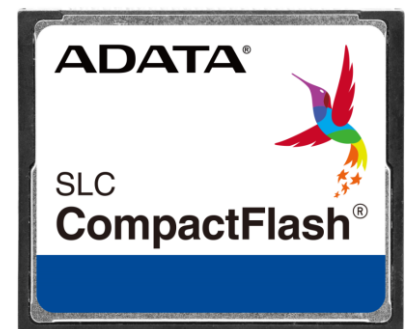
## ADATA Industrial & Embedded Solutions

# CompactFlash Card

The ADATA IPC17 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 4.0 specifications
- Built-in Error Correcting Code (ECC)
- SLC NAND Flash for higher durability and longer lifespan
- Supports Industrial-grade extended temperature range of -40°C to +85°C
- Low power consumption: 0.5W
- 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

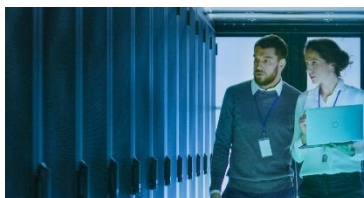
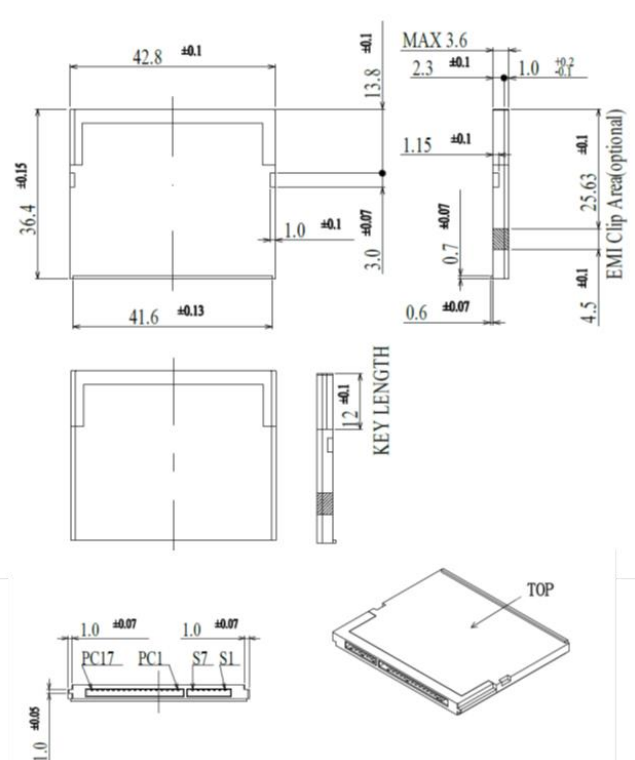
Model	IPC17
Interface	PIO Mode 0-6 / Multi-Word DMA Mode 0-4 / Ultra DMA Mode 0-4
Form Factor	50pin CF (ATA)
Dimensions (L x W x H)	36.4 x 42.8 x 3.6mm
Flash Type	SLC
Capacity	512MB – 8GB (*512MB: commercial temp. only)
Sequential Read (Max.)	45MB/s
Sequential Write (Max.)	25MB/s
Operating Temperature (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.)	0.5W
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

## Ordering Information

Capacity	Commercial (0°C to 70°C)	Industrial (-40°C to 85°C)
512MB	IPC17-512MF	—
1GB	IPC17-001GF	IPC17-001GW
2GB	IPC17-002GF	IPC17-002GW
4GB	IPC17-004GF	IPC17-004GW
8GB	IPC17-008GF	IPC17-008GW



## Dimensions



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