ADATA's industrial-grade CompactFlash card provides durability, reliability, safety and convenience all in one card. The form factor as well as the connector is highly suitable for embedded and industrial systems. ADATA's industrial CF cards come in both commercial (0⁰C to 70⁰C) and industrial (-40⁰C to +85⁰C) temperature ranges, providing long-term reliability for a broad range of applications. Functions supported include S.M.A.R.T, Error Correcting Code (ECC), and Wear Leveling.

Key Features

● SLC NAND Flash for higher performance and durability

● Compliant with CFA 6.0 specification

● Wide temperature tolerance: -40°C to 85°C

● Wide capacity range from 128MB to 8GB

● Built-in Error Correcting Code (ECC)

● Supports Wear Leveling function

● S.M.A.R.T. data integrity protection

Target Applications

Iindustrial computers, medical equipment, gambling machines, lottery machines, POS systems, kiosks and other industrial control related applications

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Power Fail Protection & Recovery	Wear Leveling	TRIM	Low Power Consumption
IPC17	●	●	●	●	●	—	●

● Supported

ADATA Industrial & Enterprise Solutions

Industrial CF

Specifications

Model	IPC17
Interface	50 pin CF (ATA)
Capacity	512MB-8GB
Flash Type	SLC
Operating Voltage	3.3V / 5V
Sequential Read (Max)	Up to 45MB/s
Sequential Write (Max)	Up to 25MB/s
Data Transfer Mode	PIO Mode 0~6 Multi-Word DMA Mode 0~4 Ultra DMA Mode 0~4
Operating Temperatures	Commercial: 0⁰C to 70⁰C Industrial: -40⁰C to 85⁰C
Operating Humidity	5%~95% RH, non-condensing
Power Consumption (Max)	0.5W
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	36.4 x 42.8 x 3.6mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	SLC 0°C to 70°C	SLC -40°C to 85°C
512MB	IPC17-512MF	N/A
1GB	IPC17-001GF	IPC17-001GW
2GB	IPC17-002GF	IPC17-002GW
4GB	IPC17-004GF	IPC17-004GW
8GB	IPC17-008GF	IPC17-008GW

Dimensions

ADATA
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