

Industrial CF



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 (0°C to 70°C) and industrial (-40°C to +85°C) 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

- Compliant with CFA 6.0 specification
- Built-in Error Correcting Code (ECC)
- Supports Wear Leveling function
- Supports S.M.A.R.T. functions
- Wide temperature support



Target Applications

Industrial 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



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Specifications

Model	IPC17
Interface	50 pin CF (ATA)
Capacity	128MB-8GB
Flash Type	SLC
Operating Voltage	3.3V / 5V
Sequential Read (Max)	Up to 55MB/s
Sequential Write (Max)	Up to 36MB/s
Data Transfer Mode	PIO Mode 0~6 Multi-Word DMA Mode 0~4 Ultra DMA Mode 0~7
Operating Temperatures	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
Operating Humidity	0°C to 55°C / 5%~95% RH, non-condensing
Power Consumption (Max)	0.76W
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	MLC 0°C to 70°C	MLC -40°C to 85°C
128MB	IPC17-128MF	N/A
256MB	IPC17-256MF	N/A
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

