

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
- Lock switch for write protection (Optional)
- Lock switch for quick erase (Optional)
- Built -in ATA secure erase and S.M.R.T. function
- 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
IPC39	●	●	●	●	●	●	●

● Supported



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Specifications

Model	IPC39
Interface	50 pin CF (ATA)
Capacity	4GB-128GB
Flash Type	MLC
Operating Voltage	3.3V / 5V
Sequential Read (Max)	Up to 120MB/s
Sequential Write (Max)	Up to 90MB/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)	1.3W
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
4GB	IPC39-004GM	N/A
8GB	IPC39-008GM	IPC39-008GT
16GB	IPC39-016GM	IPC39-016GT
32GB	IPC39-032GM	IPC39-032GT
64GB	IPC39-064GM	IPC39-064GT
128GB	N/A	IPC39-128GT

Dimensions

