FIC Series

Flash in Card



CF Card

Introduction

Axiomtek's FIC (Flash in Card) series complies with CompactFlash™ specification and provides complete PCMCIA-ATA functionality and compatibility. The CF card is available in memory capacities ranging from 128MB up to 32GB in standard & industrial temperature to meet the demand of critical application. The operating temperature supports standard temperature grade (0°C ~+70°C) and industrial temperature grade (-40°C ~+85°C). The FIC series is an ideal solution for industrial storage application requiring reliability, high performance, and low power consumption.

Features

- CompactFlash™ specification standard
- Capacity: 128MB up to 32GB
- Highly heat resistance design: Industrial plastic material housing
- Suitable for high demanding applications
- Well performed under harsh operating environment and industrial temperatures
- Anti-vibration & shock resistance
- Data integrity with Error Detection Code/Error Correction Code (EDC/ECC)
- True IDE Mode (fixed Mode)
- High operating reliability & durability
- Low power consumption

Specifications

General Specification	
Capacity	128MB~32GB
Interface	50pin CompactFlash™ Type I
IDE Transfer Mode	PIO Mode 0-6/MwDMA Mode 0-4/UDMA 0-4
Drive Config. Switch	Yes (Master/Slave)
Sustained Speed Rate (max)	128MB~512MB Read:20MB/sec.; Write:10MB/sec. 1GB~8GB Read:40MB/sec. ; Write:20MB/sec 16GB Read:110MB/sec. ; Write:70MB/sec 32GB Read:110MB/sec. ; Write:100MB/sec
Environmental Specification	
Operating Temperature	0°C~70°C (0°F ~158°F) (standard temp.) -40°C~85°C (-40 °F ~185°F) (industrial temp.)
Storage Temperature	-55°C~95°C (-67°F ~ 203°F)
Humidity	10%~95% non-condensing
Vibration	20G(7~2000Hz)
Shock	1500G/0.5ms
System Reliability	
ECC technology	High reliability based on the internal ECC function
MTBF	>3,000,000 hours
R/W Endurance	2,000,000 times
Wear-leveling	Support

Power Requirment	
DC Input Voltage	+3.3V/+5V single power supply operation
Power Mode	Auto stand-by and sleep mode
Power Consumption	128MB~512MB: 69mA(max.) 1GB~8GB: 125mA(max.) 16GB,32GB:210mA(max.)
Physical Specification	
Enclosure Material	PC card plastic frame with metal cover
Dimensions	42.8 x 36.4 x 3.3 mm (W x H x L)

Ordering Information

Models (standard temp.)	Models (industrial temp.)	Capacity
FIC128MSC1T	FIC128MSW1T	128MB
FIC256MSC1T	FIC256MSW1T	256MB
FIC512MSC1T	FIC512MSW1T	512MB
FIC001GSC1T	FIC001GSW1T	1GB
FIC002GSC1T	FIC002GSW1T	2GB
FIC004GSC1T	FIC004GSW1T	4GB
FIC008GSC1T	FIC008GSW1T	8GB
FIC016GSC1T	FIC016GSW1T	16GB
FIC032GSC1T	FIC032GSW1T	32GB

* All the specifications and photos are subjected to be changed without notice.

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