

CFC Series

Flash CFAST



CFAST

Introduction

AXIOMTEK's FCF (Flash CFAST) series complies with CFAST specification and provides complete SATA II functionality and compatibility. This CFAST card is available in memory capacities ranging from 2GB 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 FCF series is an ideal solution for industrial storage application requiring reliability, high performance, and low power consumption.

Specifications

General Specification	
Capacity	2GB~32GB
Interface	CFAST 1.0 standard / 7+17pin SATA
IDE Transfer Mode	PIO Mode 0-6/MWDMA Mode 0-4/UDMA 0-4
Sustained Speed Rate	Read:125MB/sec. ; Write:120MB/sec
Environmental Specification	
Operating Temperature	0°C~70°C (32°F ~158°F) (standard temp.) -40°C~85°C (-40°F ~185°F) (industrial temp.)
Storage Temperature	-45°C~95°C (-67°F ~ 257°F)
Humidity	10%~95% non-condensing
Vibration	7 Hz to 2K Hz, 3 axes
Shock	Duration: 0.5ms, 1500G, 3 axes
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 Requirement	
DC Input Voltage	+3.3V
Power Mode	Auto stand-by and sleep mode
Power Consumption	230mA(max.)
Physical Specification	
Enclosure Material	PC card plastic frame with metal cover
Dimensions	42.8 x 36.4 x 3.6 mm (W x H x L)

Features

- CFAST card specification standard
- Capacity: 2GB 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
- Support static wear leveling algorithm
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Intelligent system for error recovery
- Excellent data transfer speed
- Compliant with CFAST 1.0 standard
- High operating reliability & durability
- Low power consumption

Ordering Information

Models (standard temp.)	Models (industrial temp.)	Form Factor	Capacity
FCFC02G-100D	FCFW02G-100D	7+17pin SATA	2GB
FCFC04G-100Q	FCFW04G-100Q	7+17pin SATA	4GB
FCFC08G-100Q	FCFW08G-100Q	7+17pin SATA	8GB
FCFC16G-100Q	FCFW16G-100Q	7+17pin SATA	16GB
FCFC32G-100Q	FCFW32G-100Q	7+17pin SATA	32GB

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



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