FID Series

Flash in Disk-IDE

Features

- IDE/ATA standard interface
- Capacity: 8GB to 256GB
- 2.5" standard form factor
- Suitable for high demanding applications
- Well performed under harsh operating environment
- Anti-vibration & shock resistance
- Data integrity with Error Detection Code/Error Correction Code (EDC/ECC)
- Perfect replacement of hard drive
- High operating reliability & durability
- Low power consumption

Introduction

Axiomtek's FID (Flash in Disk-ATA) series is a high performance 2.5" flash disk and fully compatible with IDE standard which make it an ideal replacement for conventional IDE HDD without any driver or system modification. This 2.5" IDE flash disk is provided with huge capacities up to 256GB to meet diverse needs of data storage. With the features of high capacity storage, data integrity, anti-vibration and low power consumption, the FID series is surely a solid solution for expanding an industrial computer's memory.

System

General Specification

Capacity	8 GB ~ 256 GB
Interface	44-pin (2.0mm) IDE/ATA
Flash type	SLC
Form Factor	2.5"
Data Transfer Rate	Read: 90MB/sec (max.)
	Write: 65 ~ 90MB/sec (max.)

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	-55°C ~ +95°C (-67°F ~ 203°F)
Humidity	10% ~ 95% non-condensing
Vibration	20 G (7~2000Hz)
Shock	1500 G/ 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

Sleep Mode	75mA ± 5%

Physical Specification

Enclosure Material	Aluminum Mechanical Cover
Dimensions	69.8 x 100.1 x 9.5mm (W x H x L)

Ordering Information

Models (standard temp.)	Models (industrial temp.)	Interface	Capacity
FID008GSC1T	FID008GSW1T	44 PIN	8GB
FID016GSC1T	FID016GSW1T	44 PIN	16GB
FID032GSC1T	FID032GSW1T	44 PIN	32GB
FID064GSC1T	FID064GSW1T	44 PIN	64GB
FID128GSC1T	FID128GSW1T	44 PIN	128GB
FID256GSC1T	FID256GSW1T	44 PIN	256GB