

# 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.)<br>Write: 65 ~ 90MB/sec (max.)   |
| Environmental Specification |  |
| Operating Temperature       | 0°C ~ +70°C (32°F ~ 158°F) (standard temp.)<br>-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 Requirement           |  |
| 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<br>(standard temp.) | Models<br>(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    |

\* All specifications and photos are subject to change without notice.