FSA 2.5" Series

Flash SATA Disk /SATA2 SLC

Features

- SATA II standard interface
- Capacity: 2 GB to 256 GB
- 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 FSA (Flash SATA Disk) series is a high performance 2.5" flash disk and fully compatible with SATAII standard which make it an ideal replacement for conventional SATA HDD without any driver or system modification. This 2.5" SATAII flash disk is provided with huge capacities up to 256 GB to meet diverse needs of data storage. With the features of high capacity storage, data integrity, anti-vibration and low power consumption, the FSA series is surely a solid solution for expanding an industrial computer's memory.

System

General Specification

Capacity	2 GB ~ 256 GB
Interface	SATA II 3.0Gbp/s
Connector	7+15 pin male
Flash type	SLC
Form Factor	2.5"
Data Transfer Rate	2GB~128GB : Read: 50~250MB/sec (max.) Write: 27~230MB/sec (max.) 256 GB: Read: 250MB/sec (max.) Write: 230MB/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
Flash Endurance	100,000 P/E Cycles
Wear-leveling	Support

Power Requirment

DC Input Voltage	+5 DC +- 5%
Power Consumption	2GB~128GB: Read : 450mA(max.) Write : 560mA(max.) Idle : 200(max.) 256 GB: Read : 580mA(max.) Write : 700mA(max.) Idle : 250(max.)

Physical Specification

Enclosure Material	Aluminum Mechanical Cover
Dimensions	69.8 x 100.1 x 9.3mm (W x H x L)

Ordering Information

Models (standard temp. SLC)	Models (industrial temp. SLC)	Interface	Capacity
FSA02G-PTC	FSA02G-PTW	SATAII 3.0G	2GB
FSA04G-PTC	FSA04G-PTW	SATAII 3.0G	4GB
FSA08G-PTC	FSA08G-PTW	SATAII 3.0G	8GB
FSA16G-PTC	FSA16G-PTW	SATAII 3.0G	16GB
FSA32G-PTC	FSA32G-PTW	SATAII 3.0G	32GB
FSA64G-PTC	FSA64G-PTW	SATAII 3.0G	64GB
FSAA28-PTC	FSAA28-PTW	SATAII 3.0G	128GB
FSAB56-ETC	FSAB56-ETW	SATAII 3.0G	256GB

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