

# FSA Series

Flash SATA Disk /SATA2 SLC



## Features

- SATA II standard interface
- Capacity: 1 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	1 GB ~ 256 GB
Interface	SATA II 3.0Gbp/s
Connector	7+15 pin male
Flash type	SLC
Form Factor	2.5"
Data Transfer Rate	1 GB ~ 4 GB: Read: 32MB/sec (max.) Write: 15MB/sec (max.) 8 GB ~ 128 GB : Read: 210 ~ 250MB/sec (max.) Write: 100 ~ 230MB/sec (max.) 256 GB: Read: 250MB/sec (max.) Write: 200MB/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 Requirement	
Sleep Mode	1 GB ~ 4 GB: 55mA 8 GB ~ 128 GB: 200mA 256 GB: 210mA
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.)	Models (industrial temp.)	Interface	Capacity
FSA01G-100RS	FSA01G-140RS	SATAII 3.0G	1GB
FSA02G-100RS	FSA02G-140RS	SATAII 3.0G	2GB
FSA04G-100RS	FSA04G-140RS	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
FSA128G-PTC	FSA128G-PTW	SATAII 3.0G	128GB
FSAB56-ETC	FSAB56-ETW	SATAII 3.0G	256GB

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