FSA Series

Flash SATA Disk



2.5" SATA Flash Disk /SLC

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 512GB 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.

Features

- SATA II standard interface
- Capacity: 1GB to 512GB
- 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

Specifications

General Specification	
Capacity	1GB ~ 512GB
Interface	SATA II 3.0Gbp/s
Connector	7+15 pin male
Flash type	SLC
Form Factor	2.5"
Data Transfer Rate	1GB~2GB: Read: 32MB/sec (max.) Write: 15MB/sec (max.) 4GB~128GB : Read: 160MB/sec (max.) Write: 140MB/sec (max.) 256GB~512GB: 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	20G(7~2000Hz)
Shock	1500G/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	1GB~2GB:55mA 4GB~128GB :150mA 256GB~512GB:210mA
Physical Specification	
Enclosure Material	Aluminum Mechanical Cover
Dimensions	69.8 x 99.8 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-100	FSA04G-140	SATAII 3.0G	4GB
FSA08G-100	FSA08G-140	SATAII 3.0G	8GB
FSA16G-100	FSA16G-140	SATAII 3.0G	16GB
FSA32G-100	FSA32G-140	SATAII 3.0G	32GB
FSA64G-100	FSA64G-140	SATAII 3.0G	64GB
FSAA28-100	FSAA28-140	SATAII 3.0G	128GB
FSAB56-EMC	FSAB56-EMW	SATAII 3.0G	256GB
FSAC12-EMC	FSAC12-EMW	SATAII 3.0G	512GB

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

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