FIM Series

Flash in Module

IDE 40pin Flash Module

IDE 44pin Flash Module

■ Introduction

AXIOMTEK's FIM (Flash in Module) series is designed into ATA protocol type with compatible IDE standard interface based on flash memory technology. This flash module is offered with various capacities ranging from 128MB up to 4GB and can operate under industrial temperature range goes from –40℃~85℃ in the harsh operating environments. The features of reliability, high performance, cost–effective and easy–to–integrate designs make FIM series a perfect solution over traditional storage devices.

■ Specifications

General Specification	
Capacity	128MB~16GB
Interface	40pin/44pin IDE/ATA
IDE Transfer Mode	PIO Mode 0–4/MwDMA Mode 0–2/UDMA 0–2 Mode
Sustained Speed Rate	128MB~512M : Read: 20MB/sec ; Write: 10MB/sec
	1GB~4GB : Read: 40MB/sec ; Write: 20MB/sec
Environmental Specification	
Operating Temperature	0˚C~70˚C (14°F ~158°F) (standard temp.) –40˚C~85˚C (–40 °F ~185°F) (industrial temp.)
Storage Temperature	–55˚C~125˚C (–67°F ~ 257°F)
Humidity	10%~95% non–condensing
Vibration	5G(7~2000Hz)
Shock	50G/10ms
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	
DC Input Voltage	+3.3V/+5V single power supply operation
Power Mode	Auto stand–by and sleep mode

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

Power Consumption	150mA(max.)
Physical Specification	
Enclosure Material	PC Mechanical Cover and UL–94
Dimensions	40–pin: 60.2 x 27.8 x 6.4mm (W x H x L) 44–pin: 50.3 x 27.3 x 5.8mm (W x H x L)

■ Features

➢ IDE/ATA standard interface
➢ Capacity: 128MB to 4GB
➢ Master/slave switch selectable
➢ Suitable for high demanding applications
➢ Well performed under harsh operating environment and industrial temperatures
➢ Anti–vibration & shock resistance
➢ Data integrity with Error Detection Code/Error Correction Code (EDC/ECC)
➢ Perfect replacement of hard drive, compatible with IDE/ATA 40–pin and 44–pin
➢ High operating reliability & durability
➢ Low power consumption
➢ Fully compatible with devices and OS

■ Ordering Information

Models (standard temp.)	Models (industrial temp.)	IDE interface	Capacity
FIM128M40VSC1T	FIM128M40VSW1T	40 PIN	128MB
FIM256M40VSC1T	FIM256M40VSW1T	40 PIN	256MB
FIM512M40VSC1T	FIM512M40VSW1T	40 PIN	512MB
FIM001G40VSC1T	FIM001G40VSW1T	40 PIN	1GB
FIM002G40VSC1T	FIM002G40VSW1T	40 PIN	2GB
FIM004G40VSC1T	FIM004G40VSW1T	40 PIN	4GB
FIM128M44VSC1T	FIM128M44VSW1T	44 PIN	128MB
FIM256M44VSC1T	FIM256M44VSW1T	44 PIN	256MB
FIM512M44VSC1T	FIM512M44VSW1T	44 PIN	512MB
FIM001G44VSC1T	FIM001G44VSW1T	44 PIN	1GB
FIM002G44VSC1T	FIM002G44VSW1T	44 PIN	2GB
FIM004G44VSC1T	FIM004G44VSW1T	44 PIN	4GB

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