

Accessories

Redriver Card



HBA Card






eSATA express /43 Card



Raid comparison				
	Raw Capacity(PM)	Available Capacity	Protection	SPEED
Raid 0	5TB	5TB	★	★★★★★
Raid 1	2TB	1TB	★★★★★	★★
Raid 10	4TB	2TB	★★★★★	★★★
Raid 3/5	5TB	4TB	★★★★★	★★★★★
Large	5TB	5TB	★	★★
Clone	5TB	1TB	★★★★★	★★

*Capacity calculated by 1TB HDD per drive.

The specification of FiT

External						
Model number	FIT300E	FIT300F	FIT500E	FIT500F	FIT400E-R	FIT400F-R
Bay number	3		5		4	
Tower/Rack	Tower		Tower		1U Rack-Mount	
RAID Level	0/1/3/5/PM/Large/Clone		0/1/10/3/5/PM/Large/Clone		0/1/10/3/5/PM/Large/Clone	
Hot Swap Components	Hard Disk, FAN Module				Hard Disk	
Color Choice	White, Black, Silver				Black, Silver	
Host Interface	eSATA / USB 2.0	eSATA / USB 3.0 1394a / 1394b	eSATA / USB 2.0	eSATA / USB 3.0 1394a / 1394b	eSATA / USB 2.0	eSATA / USB 3.0 1394a / 1394b
Encryption	N/A	AES Key (AES-256)	N/A	AES Key (AES-256)	N/A	AES Key (AES-256)
Disk Interface	SATA I/II		SATA I/II		SATA I/II	
HDD size	3.5"		3.5"		3.5"	
RAW capacity	up to 6 TB		up to 10 TB		up to 8 TB	
RAID Management	GUI / Rotary Switch		GUI / LCD / Rotary Switch		GUI / Rotary Switch	
Operating System	Windows / Linux / Mac OS (OS independent and transparent)					
Power Supply	90W(Adapter),DC output: 19V 4.74A Max.		220W		220W	
Electrical	AC Voltage 100~240 VAC / AC frequency 50~60 Hz					
Temperature	Operating temperature 5~35°C, None-Operating temperature : -40~60°C					
Relative Humidity	20%~80% non-condensing					
Dimension (mm) WxDxH	140 X 237 X 115		140 X 242 X 208		446.4 X 396 X 43.2	

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MAC

Windows

Linux

About AXUS Microsystems Inc

AXUS Microsystems Inc is the professional storage products manufacturer. The company specializes in RAID storage & SAN(storage area networking) solution at an affordable cost, while offering superior customer service and responsive technical support.

In addition, AXUS, a whole host of vendors, both large and small, are attempting to prize open SOHO, IPC and SMB wallets. Find out what existing in the FiT RAID devices and discover its advantages.

AXUS
IDEAS FOR DATA STORAGE



Storage FiT your Desire

FiT 300/400/500

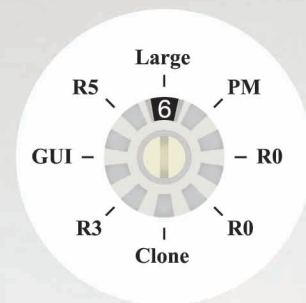
FiT series, a new stylish, versatile, easy to use and more economical RAID storage device. The heart of FiT is adopted with hardware RAID technology which offers high performance, superior reliability and large capacity for your budget.



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Easy to Use

FiT Series are Plug & Play RAID systems. Setup RAID configurations can be simply made by the Rotary Switch. The Rotary Switch provides user direct and fast setting for RAID Level 0, 1, 3, 5, PM, Large, and Clone. Users are not required to have any RAID knowledge but easily to enjoy the high-performance and reliability from the FiT RAID storage.



High Performance > 200MB/s

FiT equipped with Hardware RAID which provides users a great performance. Test below in Windows 7 32 bit with 5x2TB Seagate ST32000644NS.

RAID 0 Performance
Read = 220 MB/sec
Write = 226 MB/sec
RAID 5 Performance
Read = 218 MB/sec
Write = 220 MB/sec



Cost Effective Raid 5 solution

FiT built with cost effective Hardware RAID SOC solution and most popular SATA Disk interface. SOC technology truly enforces low-cost and easy-to-use RAID 5 storage solutions, and SATA Disk Interface brings benefits from the high performance, large capacity and lowest cost SATA drives.

Encryption USB Key AES-256bit



FiT F series feature Advanced Encryption Standard (AES) Encryption Technology using a secret key of length (AES-256: 256-bit) for security RAID protections. AES encryption will be equipped with a AES key (left) by hardware encryption. Once the users generate the AES key, the RAID volume will be not accessed without AES key, offering users the most security way to keep important data guarded.

No more restriction

FiT supports 48 bit LBA addressing bit that free of 2TB restriction. FiT allows a high demanding user to store large data of music, audio and video file while many small RAID systems still locked by 2TB limitation. By overcoming the 2TB limitation, FiT extended the lifetime of RAID systems and installed disk drives significantly.

greater than
2TB

Multiple RAID Level

FiT Supports multiple RAID Levels including RAID 0, 1, 3, 5, PM, Large & Clone that can be tuned to the required level to support your application on capacity, reliability and performance necessarily.



USB 3.0

The USB 3.0 was announced on end of 2008. The specification had been completed and was transitioned to the USB Implementers Forum (USB-IF). A new major feature is "SuperSpeed" bus, which provides a fourth transfer mode at 5.0 Gbit/s.



SMART and Noise-Free Fan module

With a thermal sensor and SMART, 4 levels RPM of Fan module efficiently reduce / lower the noise, provide a quiet working environment for power-users, and let them to be more focused on creations. Hot-swappable Fan module prevents the situation of data damage from overheating Raid.



Hot Swappable Tray

This is not only for Simplifying Hard disk installation but also for preparing redundant data protection in Real-times.



One Button backup

FiT packs with one button backup software, PCClone_EX, offering an easier way to backup your data. By only one time configuration, RAID box will automatically do the further backup tasks when user clicks the One Button Backup button.



300



FiT 300E/F

500

FiT 500E/F



FiT 400E/F-R

400



	2 Drive Raid 1	2 Drive Raid 0	3 Drive Raid 5
Capacity	2.0TB	4.0TB	4.0TB
Raid protection	Yes	No	Yes
Increasing performance	No	Yes	Yes
Rebuilding time	Long	N/A	Short
Choice			Win

*Capacity calculated by 2.0 TB HDD per drive.

2Bay vs 3Bay

RAID 5 is better in capacity usage efficiency with 66% of the available capacity as compared to a 2-drives Raid 1 array with only 50% available capacity; In results, you save one third of cost for each Gigabyte capacity.

	4 Drive Raid 5	5 Drive Raid 5
Capacity	6.0TB	8.0TB
Raid protection	Yes	
Increasing performance	Yes	
Cost of Raid box	Same	
Choice		Win

*Capacity calculated by 2.0 TB HDD per drive.

4Bay vs 5Bay

For paying almost the same price, 5Bay's users can enjoy more capacity with an extra drive, and have an extra buffer to provide better performance and more stability while data processing compare to 4Bay RAID box.

	Internal Raid Card	Software Raid	Hardware Raid
No need host resource	Yes	No	Yes
OS independence	No	No	Yes
Portable	No	No	Yes
Easy to use	No	No	Yes
Fast recovery data	Yes	No	Yes
Choice			Win

Internal Raid card vs Software Raid vs Hardware Raid

Hardware RAID relies on no resource from the host, so the rebuilding process can be done more quickly and reduces the risk that caused from second drive failure during the rebuilding process. Moreover, Hardware RAID is transparent from OS compared to internal Raid card and software Raid, which lowers the risk that caused from the host side's software malfunctions or host crashes down. Also, hardware Raid requires no driver and it's portable, so users will have more convenience of data storing.