

5 Port Hardware PM XA (System Version)

Model: AD5HPMSXA

INTRODUCTION

About the HPM-XA Series

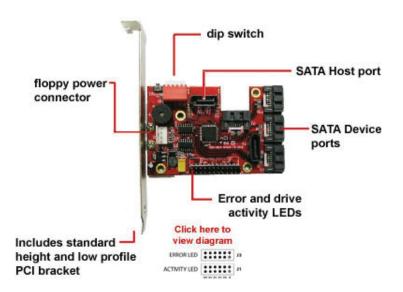
This new 5-Port HPM XA is a feature rich Hardware Port Multiplier that enables connecting up to 5 SATA drives to any SATA port. It is a perfect solution for attaching several hard drives as individual drives or as a RAID volume with redundancy to a Desktop or Server. This HPM can also be used to connect 5 SATA optical drives such as DVD-RRW or Blu-Ray drives to do simultaneous data copying. Configuration can be set via a set of onboard dip switches or the included software utility under Windows OS. Drive and the HPM status can be visually monitored by attaching LEDs to the onboard LED signal pin headers or via the bundled monitoring software. Any drive failure or RAID error can be notified via audible alert from the on board buzzer and email to an SMTP account.



About the System Version (AD5HPMSXA)

The 5-Port HPM XA comes in a choice of the system version or the enclosure version. The system version enables multiple hard drives inside a system to be connected together to form a RAID volume or individual drives. The enclosure version fits perfectly into the Addonics family of Storage Tower, Storage Rack and many standard multi-bay enclosures with a SCSI-1 connector cut out. The 5 hard drives inside the drive enclosure, once configurated, can be attached to any computer via high speed eSATA connection or USB 3.0 by attaching the optional Addonics USB 3.0 - eSATA adapter.

5-Port HPM-XA System Version



Raid Mode	Dip Switch Settings				
	1	2	3	4	5
Individual Drive (Factory Default)	OFF	OFF	OFF	OFF	OFF
0	OFF	OFF	ON	ON	ON
1	OFF	OFF	ON	ON	OFF
3	OFF	OFF	ON	OFF	OFF
5	OFF	OFF	OFF	ON	OFF
Clone	OFF	OFF	OFF	ON	ON
Large	OFF	OFF	ON	OFF	ON
	Enable ERR Buzzer Function	Auto- Rebuilding to Spare Drive	Port Multiplier Mode		



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FEATURES

- System model Connect up to 5 SATA hard drives to one SATA port inside any system
- RAID configuration is programmed using onboard jumpers for simple deployment.
- Integrated hardware RAID controller to maximize performance
- · Software included for RAID management and advanced RAID configuration
- Compatible with Compact Flash or Micro Drive using Addonics SATA CF adapters (ADSAHDCF or ADSACF)
- Compatible with SATA optical drives support simultaneous DVD writing*
- RAID volume can be used as a boot drive or as additional storage
- · Multiple units can be daisy chained
- · System version mounts in any standard height or low profile PCI slot
- Supports RAID0 (Striping), RAID1 (Mirroring), RAID3, RAID5 (Parity), RAID10 (Mirrored Striped), JBOD (Concatenation), Clone Mode (N-Way Mirror) using built-in hardware RAID
- Supports individual drive mode*
- Clone mode clone's action is similar to RAID 1, except all the hard drives connected will be mirrored. Clone mode is
 especially useful when users would like to copy data form a hard drive to several hard drives at the same time
- Supports hot swap when attached to controllers that support this feature
- RAID configuration via Software (avilable for Windows, Linux and Mac) or onboard dip switches
- Software utility for Windows, Linux and Mac to monitor RAID status and setting up email notification
- Drive activity LED and Error LED for Host and 5 SATA devices
- OS independent
- * Independent drive configuration and optical drive are supported only when connecting to controllers with Silicon Image Sil3124, Sil3132 chip set or controllers that are PM compatible. Simultaneous DVD writing was tested using the Nero Burning Rom

SPECIFICATIONS

- 5 internal SATA ports for SATA / SATA II storage devices
- Drive activity LED and Error LED for Host port and 5 SATA devices
- Auto-negotiation support for 1.5Gbps and 3.0Gbps SATA
- Compliant with SATA I/II specification
- · Support SATA optical devices
- Chipset: JMicron JMB393
- · Support 48-bit LBA addressing
- · Supports Hot-swapping
- Supports NCQ (Native Command Queuing)
- OS independent
- Dimensions: (W x D x H) 3.4 x 2.2 x .9 in. (85mm x 55mm x 23mm)
- · Weight: 48g
- Operating temperature range: 0 °C to +70 °C
- Operating humidity range: 5% to 90%
- Storage temperature range: -40 °C to +85 °C
- Storage humidity range: 5% 95% (non condensing)
- 1 year warranty