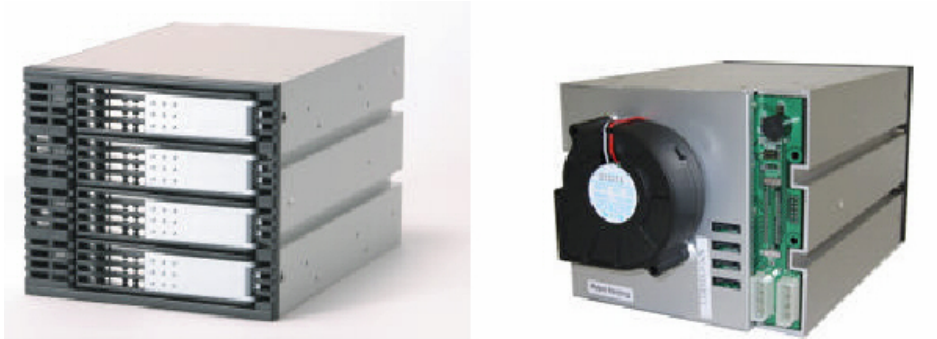


20775 ~ Serial ATA Back Plane

Short Manual (provisional)



Introduction

The Serial ATA Back Plane is an internal drive housing that supports four (4) hot swap Serial ATA hard drives in a three (3) 5.25" drive space. The Serial ATA Back Plane can be installed into any PC Case, External Enclosure, or Disk Array Chassis that has available three 5.25" half-height drive bays. It extends the storage capacity of your system and provides hot swap capability to the Serial ATA hard drive installed. The Serial ATA Back Plane has been tested in typical desktop system configuration with various host bus adapters and hard drives to ensure highest compatibility. The configuration included current 7,200 rpm and 10,000 rpm drives from the leading suppliers of disk drives.

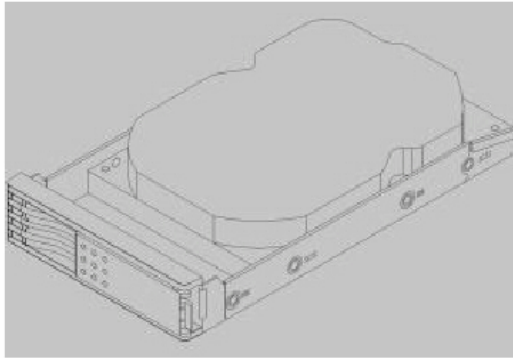
Features

- Multi-layer backplane for high signal integrity
- Cableless drive tray design for Serial ATA
- Install (4) 3.5" LP hard drives into (3) standard 5.25" HH drive bays
- Meet Hot Swap specification for Serial ATA
- High quality aluminum housing
- Temperature controlled four-speed turbo blower for 10K/15K rpm HDDs (SATA)
- Microprocessor controlled sequential drive power-up (SATA)
- Visual and audible indicators for fan fail and overheat situations
- Auxiliary 3.3V power source for additional SATA devices

Specifications

Dimensions:	239 mm x 148 mm x 128 mm (D x W x H)
Weight:	Approximately 2.2 kg (without drives)
Operating Temperature:	0°C ~ 55°C
Non-Operating Temperature:	Non-Operating Temperature:

Installation



Installation of HDD in Carrier

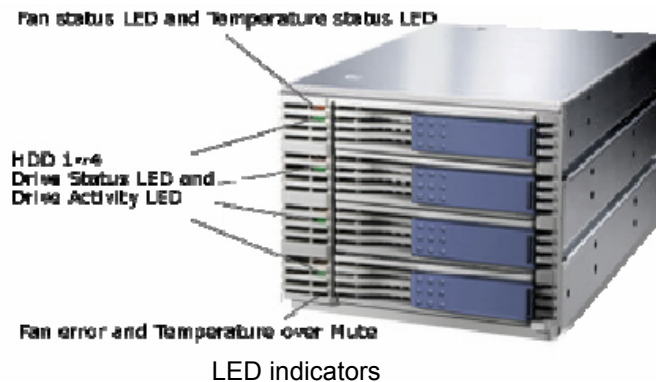


Installation of HDD in PC-Case

Setup and Operation

LED Indicators

There are four HDD status LED's and one Fan / Temperature status LED on ASWAP as shown in Figure 2. The functions of these LED are described in the table below: *



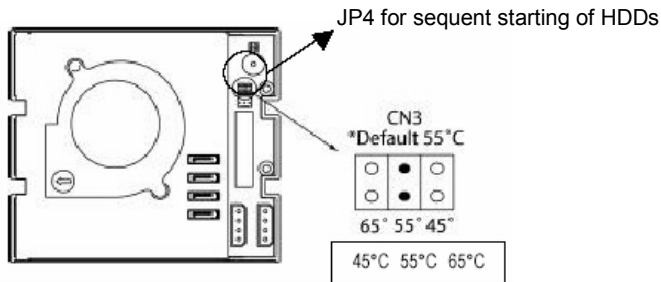
*Attention: HDD ACCESS LED Function is now reserved

LED Messages

HDD Status LED	
LED Color	Status
GREEN	Hard drive is present and ready
RED	Hard drive is not present or defective
Fan / Temperature Status LED	
GREEN	Fan is normal and no overheating
RED	Fan failed or temp. over the setting on CN3

Overheat temperature setting ***

Jumper CN3 sets the overheating threshold temperature. There are three settings: 45°, 55° (default) or 65°C. Once the sensor on the backplane detects the operating temperature is over the setting. Audio alarm buzzer will sound and Fan / Temperature LED will turn red. You can turn off the alarm buzzer by press the mute bottom with a pointed object.



CN3 for choosing the temperature for audio alarm

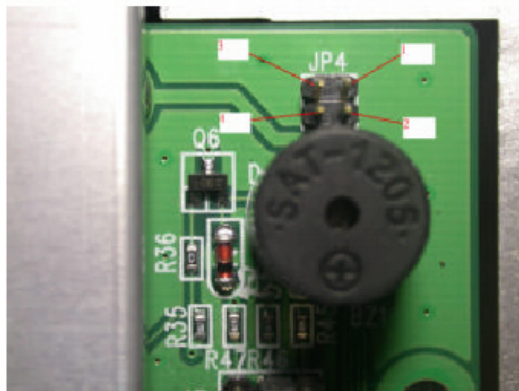
45°C	55°C	65°C
○ ○ ●	○ ● ○	● ○ ○
○ ○ ●	○ ● ○	● ○ ○

Delayed HDD start setting **

The HDDs can be started one by one. The start up mode can be set via JP4.

JP4 SETTING TABLE (for HDD start up mode)

	Delay1(PIN 1,2)	Delay2(PIN3,4)
All start (together)	OPEN	OPEN
Delay 1 sec (one by one)	CLOSED	OPEN
Delay 1.5 sec (one by one)	OPEN	CLOSED
Delay 2 sec (one by one)	CLOSED	CLOSED



**Attention: This Function is now reserved

*** Attention: This Function is now reserved **The Functions will be ready by Shipment in August 2003**