

## 3 Drive 3.5in Removable SAS/SATA Backplane

SATSASBAY3BK



\*actual product may vary from photos

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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# Introduction

The SATSASBAY3BK SAS/SATA Backplane offers an easy-to-use and cost-effective SATA hot swap solution and features a sturdy and compact 3-in-2 design that lets you install up to three 2.5"/3.5" SATA or SAS hard drives into only two 5.25in bays.

With support for SATA/SAS HDD speeds up to 6.0 Gbps, the mobile rack/backplane is fully compatible with RAID installations to ensure maximum performance and versatility for enhanced storage applications.

## Packaging Contents

- 1 x 3 Drive Backplane
- 3 x 7-pin SATA cables
- 1 x Screw Kit
- 1 x Instruction Manual

## System Requirements

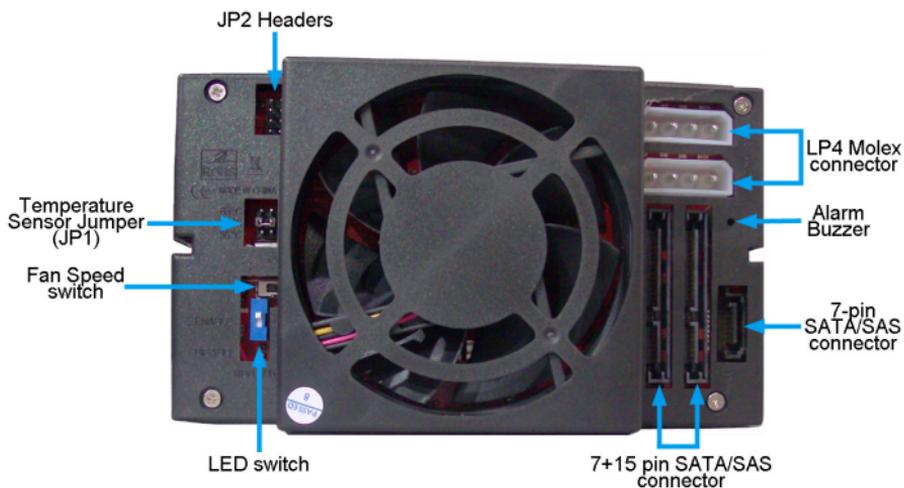
- Computer chassis with 2 adjacent 5.25" front bays
- 3 available SATA/SAS ports on the hard drive controller
- 2 available LP4 molex or 2x 15-pin SATA power connectors on the power supply



## Front View



## Rear View

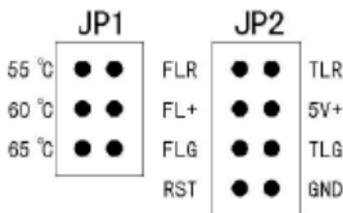


# Installation



**WARNING!** Hard drives and storage enclosures require careful handling, especially when being transported. If you are not careful with your hard disk, lost data may result. Always handle your hard drive and storage device with caution. Be sure that you are properly grounded by wearing an anti-static strap when handling computer components or discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds.

## Rear Panel Header



### JP2 Header

<b>FLR</b>	Fan Failure Detect (red)	<b>TLR</b>	Temperature Detect (red)
<b>FL+</b>	Fan Failure Detect (+)	<b>5V+</b>	5V power
<b>FLG</b>	Fan Failure Detect (green)	<b>TLG</b>	Temperature Detect (green)
<b>RST</b>	Reset switch	<b>GND</b>	Ground

## Hardware Installation

1. Remove one of the drive trays by pressing on the left side of the drive tray. This will cause the tray's locking arm to swing out. Hold the arm and pull the tray out.
2. Place the 2.5in or 3.5in hard drive into the tray. Line up the holes in the bottom of the tray with the holes in the bottom of your drive. Use the provided screws to secure the hard drive to the tray (2.5in and 3.5in mounting screws provided).
3. Slide the tray back into the slot. When the tray is all the way back into the slot, press the locking arm back in until you hear a "click" sound. This indicates that the tray and hard drive are properly installed.
4. Repeat these steps for the other hard drives.

5. Install the backplane into open 5.25" drive bays in your system case. Follow the directions from the case manufacturer.
6. Use the 7-pin Serial ATA (SATA) signal cables to connect the 7-pin hard drive (HDD) ports on the back of the backplane to your SATA or SAS controller.
7. To power the backplane, use either the 15-pin SATA or 4-pin LP4 molex connectors from your power supply. If you use the LP4 molex connectors, the power will automatically be converted to SATA power. Both types of power connectors do not need to be plugged in.

## Driver Installation

No driver installation is required for any operating system, as this backplane is only a pass-through for the hard drives, so it is not seen by the operating system.

## Using Your Backplane

**Reset:** The Reset button/LED on the front of the backplane serves as both a reset switch and an overheating LED. When overheating occurs, a buzzer will sound and the Reset LED will flash. To stop the alarm, press the Reset button.

**Note:** The default temperature at which the alarm will sound is 60°C (140°F). Using jumpers on the back of the backplane (JP1), you can also set the temperature to 55°C (131°F) or 65°C (149°F)

**HD1, HD2, etc:** The HD buttons/LEDs on the front of the backplane serve as both the power switches and power LEDs for each drive. To turn power to the drive on or off, push the corresponding HD button (Do not turn off power when the drive is in use!). The LED will also flash to indicate read/write activity on the drive.

When the drive is powered, the corresponding LED will be lit.

**Fan Sensor:** The fan sensor LED on the front of the backplane indicates the activity of the backplane's fan. If the fan sensor LED is lit green, the fan is working properly. If the fan fails, the fan sensor LED will be lit red.

### LED Switch:

Position	HDD Power LED	HDD Activity LED	HDD Power
Enable (default)	Solid Green	Flashing Orange	HDD spins up when data connection detected
Disable	Solid Green	Solid Green	HDD spins up when powered on

# Specifications

<b>Bus Interface</b>	SATA 1.5/3.0/6.0 Gbps SAS 3.0/6.0 Gbps
<b>External Connectors</b>	3 x 7-pin SATA/SAS 2 x LP4 molex power 2 x 15-pin SATA power
<b>LEDs</b>	3 x Hard Drive Power/Activity 1 x Reset 1 x Fan Status
<b>Fans</b>	1 x 80mm (ball bearing)
<b>Operating Temperature</b>	35°C ~ 65°C
<b>Storage Temperature</b>	15°C ~ 65°C
<b>Humidity</b>	90% RH @ 30°C
<b>Dimension</b>	202.0mm x 146.0mm x 86.0mm
<b>Weight</b>	1210g

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