SATA Dual Hard Drive RAID Adapter - Internal SATA Connector to Dual SATA HDD RAID Controller Card

StarTech ID: S322SAT3R

The S322SAT3R internal drive-mounted SATA RAID adapter lets you connect two SATA hard drives to a single SATA connector on your motherboard, and build a hardware RAID array.

This versatile RAID adapter features a built-in hardware RAID controller, supporting JBOD, BIG, RAID 0, and RAID 1 -- to achieve greater drive capacity, secure data redundancy or improved system performance.

With two included SATA cables you'll have everything you need to ensure a hassle-free installation. This plug-and-play HDD adapter is easy to install, mounting directly to your drive without any additional hardware or software installation.

To ensure compatibility with your computer system, the S322SAT3R supports all of the leading operating systems, including: Microsoft Windows® (8/7/Vista/XP/Server 2008/Server 2003), Apple® OSX (10.9/10.8/10.7/10.6), Linux, and Google Chrome OS™.

To maximize performance and utilize the full speed potential of your SATA III hard drives, this HDD RAID controller supports SATA III for transfer speeds up to 6 Gbps when paired with a compatible controller.

The S322SAT3R is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Add data redundancy to your computer with a mirrored (RAID 1) RAID array
- Increase the capacity of your computer system by adding an additional HDD in a RAID array (BIG) using the same single SATA connector as your existing drive
- Increase system performance by internally adding a dual drive RAID 0 array to a single SATA connector
- Add additional hard drives in a computer with limited SATA connectors

Features

- Add dual drive RAID support to a single internal SATA connector
- Hardware RAID supporting RAID 0 / RAID 1 / BIG / JBOD
- Compatible with SATA revision I/II/III (1.5/3.0/6.0 Gbps) drives
- Space-saving design, mounts directly to your drive
- No software or drivers required
- 2 SATA cables included for hassle-free installation

Technical Specifications

Warranty	2 Years
Chipset ID	Jmicron - JMS562
Compatible Drive Types (Type and Rate)	SATA
Drive Installation	Fixed
Interface	SATA
Number of Drives	2
General Specifications	For JBOD mode, your SATA controller must support Port Multiplier
Hot Swap Capability	No
Max Drive Capacity	Currently tested with up to 4TB 7200 RPM hard drives
Maximum Data Transfer Rate	6 Gbps
Port Multiplier	Yes
RAID	Yes
Supported RAID Modes	BIG (Spanning or Concatenation)
Supported RAID Modes	JBOD - (Just a Bunch of Disks)
Supported RAID Modes	RAID 0 (Striped Disks)
Supported RAID Modes	RAID 1 (Mirrored Disks)
Type and Rate	SATA III (6 Gbps)
Drive Connectors	2 - SATA (7 pin; Data) Plug
Host Connectors	1 - SATA Data & Power Combo (7+15 pin) Receptacle
OS Compatibility	OS independent; No software or drivers required
Humidity	Operating 20% to 80% Non Operating 15% to 90%
Operating Temperature	5°C - 50°C (41°C to 122°C)
Storage Temperature	-25°C - 70°C (-13°C to 158°C)
Product Height	0.9 in [23 mm]
Product Length	3 in [75 mm]
Product Weight	0.4 oz [11.8 g]
Product Width	1 in [26 mm]
Shipping (Package) Weight	4.2 oz [120 g]
Included in Package	1 - Internal Drive Mounted Dual SATA Hard Drive RAID Adapter
Included in Package	2 - SATA Cables (50cm)
Included in Package	1 - LP4 to SATA Power Adapter
Included in Package	1 - Installation Guide
Ports	2

Certifications, Reports and Compatibility

CE

RoHS Compliant
Available

FC