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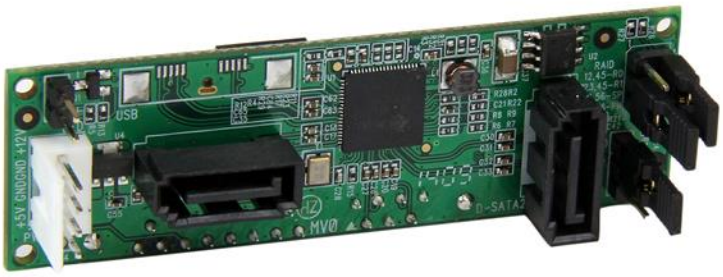
Data Sheet

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

Product 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 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.

Certifications, Reports and Compatibility

RoHS Compliant Available



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

	Warranty	2 Years
Hardware	Chipset ID	Jmicron - JMS562
	Compatible Drive Types	SATA
	Drive Installation	Fixed
	Interface	SATA
	Number of Drives	2
Performance	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)
		JBOD - (Just a Bunch of Disks)
		RAID 0 (Striped Disks)
		RAID 1 (Mirrored Disks)
	Type and Rate	SATA III (6 Gbps)
Connector(s)	Drive Connectors	2 - SATA (7 pin, Data) Plug
	Host Connectors	1 - SATA Data & Power Combo (7+15 pin) Receptacle
Software	OS Compatibility	OS independent; No software or drivers required
Environmental	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)
Physical Characteristics	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]
Packaging Information	Shipping (Package) Weight	4.2 oz [120 g]

What's in the Box	Included in Package	1 - Internal Drive Mounted Dual SATA Hard Drive RAID Adapter 2 - SATA Cables (50cm) 1 - LP4 to SATA Power Adapter 1 - Installation Guide
	Ports	2

Product appearance and specifications are subject to change without notice.