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Data Sheet

Dual mSATA SSD to 2.5” SATA RAID Adapter Converter

Product ID: 25SAT22MSAT



Vastly increase system performance by adding a dual mSATA SSD RAID array into any 2.5" SATA HDD application with the 25SAT22MSAT mSATA to SATA adapter.

Utilize the full potential of your SATA III controller, with mSATA SSDs reducing your data transfer bottleneck with file transfer speeds up to 6 Gbps. mSATA SSDs also save you money by reducing your power consumption over regular platter drives.

You can achieve greater SSD capacity, or data redundancy with the Dual SSD controller supporting multiple RAID modes (RAID 0, 1, BIG). The SSD adapter also supports non-RAID operation (JBOD) when paired with a port-multiplying SATA controller, so both drives can be used independent of one another.

Help protect the health of your drive with an open-frame design ensuring maximum heat dissipation.

The 25SAT22MSAT is backed by a StarTech.com 2-year warranty, and lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Add data redundancy to your SSD system, by adding an additional SSD in a RAID array (RAID1)
- Increase the capacity of your SSD system by adding an additional SSD in a RAID array (RAID 0/BIG)
- Turn two unused mSATA SSD drives into a hardware RAID 2.5in SATA solid state drive

Features

- Dual full size mSATA SSD bays
- Supports RAID0, RAID1, JBOD, BIG
- Open-frame steel mounting bracket
- 2.5in SATA form factor housing
- Compatible with SATA revision I/II/III (1.5/3.0/6.0 Gbps) drives and controllers

	Warranty	2 Years
Hardware	Chipset ID	JMicron - JMS562
	Compatible Drive Types	mSATA (Mini SATA)
	Drive Installation	Fixed
	Drive Size	mSATA (Full Size & Half Size)
	Interface	SATA
	Number of Drives	2
Performance	Hot Swap Capability	No
	Maximum Data Transfer Rate	6 Gbps
	MTBF	5,101,299 Hours
	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 - mSATA (52 pin, Mini SATA) Receptacle
	Host Connectors	1 - SATA Data & Power Combo (7+15 pin) Receptacle
Software	OS Compatibility	OS independent; No software or drivers required
Indicators	LED Indicators	1 - Drive #1 Activity
		1 - Drive #1 Failure
		1 - Drive #2 Activity
		1 - Drive #2 Failure
Environmental	Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Physical Characteristics	Enclosure Type	Steel, Aluminum and Plastic
	Product Height	0.3 in [7 mm]
	Product Length	3.8 in [97 mm]
	Product Weight	1.4 oz [39 g]
	Product Width	2.8 in [70 mm]

Packaging Information	Shipping (Package) Weight	3.8 oz [107 g]
What's in the Box	Included in Package	1 - Dual mSATA to 2.5in SATA Adapter 1 - Mounting screw kit 1 - Install Guide

Product appearance and specifications are subject to change without notice.