



SILVERSTONE[®]
Designing Inspiration

TS421S

**4 bay 2.5" HDD / SSD storage kit
with Mini-SAS SFF-8088 interface**



Individual metal key lock
for each drive for extra security



Protection



24Gbps

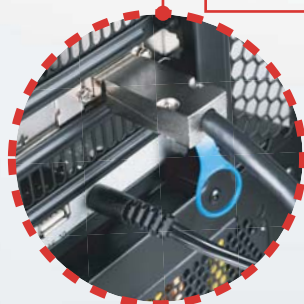


PWM Fan



SFF8088

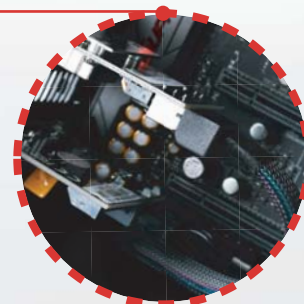
- Supports Mini-SAS SFF-8088 maximum 24 Gbps transfer speed
- Supports up to four 2.5" SAS / SATA 6 Gbit/s drives
- Individual metal key lock for each drive for extra security
- Independent drive status LED
- Built-in cooling fan for excellent heat dissipation
- Compatible with all 2.5" drives up to 15mm thickness
- Fully supports SATA Hot-Swap function
- Complete retail pack includes Mini-SAS SFF-8088 to Mini-SAS SFF-8088 cable, Mini-SAS SFF-8087 to SATA 7 pin cable, power adapter card and Mini-SAS adapter



Connect Mini-SAS SFF-8088 and power adapter to external storage



Connect Mini-SAS adapter and power adapter's external cables



Connect Mini-SAS adapter and power adapter's internal cables



Connect CPS03-RE to motherboard's SATA ports

Storage	
Model No.	SST-TS421S
Color	Black
Material	Steel
Drive support	4 x 2.5" SAS / SATA HDD or SSD (Support up to 15mm)
Transfer rate	Up to 6 Gbit/s (dependent on drive speed)
Host interface	Mini-SAS SFF-8088 26 pin connector x 1
LED indicator	Solid Green: Power On Yellow: Fan failed Purple: Overheating White: HDD read / write
Cooling fan	80mm PWM fan x 1
Environment	Operating Temperature: 5°C ~ 35°C Operating Humidity: 20%RH ~ 80%RH Storage Temperature: -20°C ~ 50°C Storage Humidity: 20%RH ~ 80%RH
Net weight	1.4kg
Dimension	100mm (W) x 120mm (H) x 181mm (D), 3.94" (W) x 4.72" (H) x 7.13" (D)

Power adapter card	
Model No.	SST-ECP01
Input connector and current	Peripheral 4pin female connector x 1 (12V/5A) or SATA 15pin female connector x 1 (12V/5A)
Output connector and current	DC jack female connector x 1 (12V/5A) USB Type-A female connector x 1 (5V/3A)
Intelligent protect system	Over current protection (OCP)
Cable length and spec.	DC plug 1.2m cable with 18 AWG x 1C and OD 3.5mm DC dim 2.5mm to DC dim 2.1mm adapter
Net Weight	35g
Dimension	120mm (W) x 21mm (H) x 53mm (D), 4.72" (W) x 0.83" (H) x 2.09" (D)

Internal Mini-SAS cable	
Model No.	SST-CPS03-RE
Color	Black and blue
Connectors	Mini-SAS SFF-8087 36pin (target) to SATA 7pin x 4 (host) with sideband cable
Length	500mm
SAS ports	4

External Mini-SAS cable	
Model No.	SST-CPS01
Color	Black
Connectors	Mini-SAS SFF-8088 26pin x 2
Length	1000mm
SAS ports	4

Mini-SAS adapter	
Model No.	SST-SA011
Adapter feature	Internal Mini-SAS SFF-8087 x 1 to external Mini-SAS SFF-8088 x 1 adapter
Transfer bandwidth	Up to 24 Gbit/s
Connectors	Internal: Mini-SAS SFF-8087 x 1 (to host terminal, e.g. motherboard or Mini-SAS expansion card) External: Mini-SAS SFF-8088 x 1 (to external drive enclosure)
Mounting	Low profile expansion slot, standard expansion slot (option)

- Remark
1. Prior to installing power adapter card (ECP01), please calculate your computer's total power consumption to determine if you have enough power to support this card. You should set aside 60W from the power supply to TS421S
 2. Make sure your computer case has enough expansion slots available for TS421S used, TS421S will occupy two slots
 3. Your system must have SAS controller if you want to use SAS HDD
 4. Hard drive capacity and RAID support is dependent on SAS or SATA controller used

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