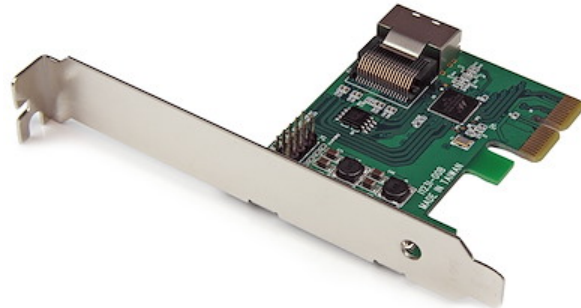


## PCI Express SATA III RAID Controller Card with Mini-SAS Connector (SFF-8087) - HyperDuo SSD Tiering

Produkt ID: PEXSAT34SFF



The PEXSAT34SFF PCI Express 2.0 SATA Controller Card enables 4 AHCI SATA III connections to be added to a computer through a single internal Mini-SAS (SFF-8087) connector.

The Mini-SAS connector with Port Multiplier support allows for multiple SATA drives (up to 7) to be connected using a single cable. When used with our Mini-SAS to 4x SATA breakout cable or Mini-SAS SFF-8087 backplane (accessories not included, SAS drives not supported), you have a complete internal 6Gbps connectivity solution, all from a single card.

Featuring HyperDuo technology, the SATA card offers SSD auto-tiering which lets you balance the performance advantages of SSD storage with the cost-effectiveness and large capacity of standard hard drives. By combining SSD and HDD drives into a single volume (up to 3 SSD + 1 HDD), HyperDuo discreetly works in the background to identify and move frequently accessed files to the faster SSD drive(s) for improved data throughput - up to 80% of SSD performance! (Note: The HyperDuo automatic storage tiering feature is compatible with computers that use a BIOS.)

Compliant with SATA revision 3.0, this PCI Express SATA RAID card delivers up to 6Gbps of data bandwidth; ideal for high performance hard drives and solid state drives (SSD). Plus, the controller card offers an effective hardware RAID solution, with native RAID (0, 1, 1+0) support.

### Throughput Benchmark

The PEXSAT34SFF PCIe SATA 6G card is backed by a 2-year StarTech.com warranty and free lifetime technical support.

### Certifikat, rapporter och kompatibilitet

## Användning

- Use SSD tiering to optimize your system for I/O intensive applications such as Office Suites, Photo/Video Editing and Media Players
- Upgrade a PCIe-based system with SATA 6Gbps connectivity (through a Mini SAS connector), to better utilize faster SATA drives
- Add more internal SATA ports to a computer system to connect additional storage drives and/or optical drives through an appropriate Mini-SAS adapter (listed under Accessories)
- Optimized for off-site backups, this RAID controller can be configured in RAID 1 (Mirrored) so that all information on the primary drive is copied to the secondary drive
- Perfect for multi-drive internal RAID storage solutions

## Funktioner

- Supports HyperDuo SSD auto-tiering
- 1x Mini-SAS (SFF-8087) port, expandable to 4 SATA III (6Gbps) ports through a breakout cable (purchased separately)
- Fully compliant with SATA 3.0 specifications and backward compatible with SATA I/II (1.5/3.0Gbps) drives
- Supports hardware RAID 0, 1, and 1+0 modes configured through BIOS
- Compliant with PCI Express 2.0 standards
- Port Multiplier FIS-based and Command-based switching supported
- Natively supported single chipset design
- Simple HyperDuo configuration via card-BIOS level or intuitive GUI console (Windows® only)
- Supports Native Command Queuing (NCQ) and ATA/ATAPI commands
- Includes Low Profile/Half-Height installation bracket
- Supports HDDs/SSDs/Optical/Blu-Ray drives
- LED headers for HDD activity LED indicators

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Hårdvara

Garantipolicy

2 Years

Portar	1
Gränssnitt	Mini-SAS
Busstyp	PCI Express
Korttyp	Standardprofil (inkl. LP-fäste)
Porttyp	Inbyggd på kort
Industristandarder	Serial ATA 3.0 specification PCI Express 2.0
Chipset-ID	Marvell - 88SE9230

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#### Prestanda

Typ och hastighet	SATA III (6 Gbps)
Port Multiplier	Ja
Number of Ports That Support Port Multiplier	1
Number of Drives Supported Through Port Multiplier	1 to 4
Bootable	Ja
LBA-stöd	48-bit
RAID	Ja
RAID-lägen som stöds	JBOD - (Just a Bunch of Disks) RAID 0 (stripade enheter) RAID 1 (speglade enheter) RAID 10 (1+0, Stripat set av speglade enheter)
Maximal enhetskapacitet	Currently tested up to 4TB per drive
ATAPI Support	Ja

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Kontakt(er)	Kontakttyp(er)	PCI Express x2
	Interna portar	SFF-8087 (36-stifts, intern Mini-SAS)
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Mjukvara	OS-kompatibilitet	Windows® XP, Vista, 7, 8, 8.1, 10, 11 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS® 10.6 to 10.12 Linux 3.5.x to 4.11.x <i>LTS versions only</i>  Note: Connected drives cannot be used as System / Primary drive in Windows Server 2012, 2012 R2, 2016
	Särskilda anmärkningar/krav	System- och kabelkrav Mini-SAS SFF-8087 to SATA cable (not included)  Available PCI Express x2 slot (backward compatible with x4, x8, and x16 slots)  Obs. The maximum throughput of this card is limited by the bus interface. If used with PCI Express Gen 1.0 enabled computers, the max throughput is 2.5 Gbps per lane. If used with PCI Express Gen 2.0 enabled computers, the max throughput is 5 Gbps per lane.<p>Only one port can use the Port Multiplier feature at a time. Supports up to 4 drives connected via Port Multiplier.</p><p>Port Multiplier not supported in Mac OS.</p><p>Not compatible with SAS drives, only SATA drives are supported.</p>
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Miljö	Drifttemperatur	5°C ~ 50°C (41°F ~ 122°F)
	Förvaringstemperatur	-25°C ~ 70°C (-13°F ~ 158°F)
	Luftfuktighet	20% ~ 80% RH
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Utseende	Produktlängd	2.8 in [70 mm]
	Produktbredd	4.7 in [12 cm]
	Produkthöjd	0.8 in [20 mm]



Produktvikt 1.4 oz [40 g]

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Förpackning

Förpackningsantal 1

Package Length 6.9 in [17.5 cm]

Package Width 5.7 in [14.5 cm]

Package Height 1.2 in [30 mm]

Fraktvikt (förpackning) 4.6 oz [131 g]

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Vad det är i lådan

Ingår i paketet

- PCIe SATA Controller Card
- Low Profile Bracket
- Driver CD
- Instruction Manual

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\* Produkters utseende och specifikationer kan komma att ändras utan förvarning.

