Szanex Computer webshop

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StarTech PCI-E x2 4 portos SATA3 RAID vezérlő

illesztés: PCIe x2, SATA3, RAID, low profile

Cikkszám: PEXSAT34RH

Ár:

58 830 Ft

The PEXSAT34RH 4-Port PCI Express 2.0 SATA Controller Card with HyperDuo adds 4 AHCI SATA III ports to a computer through a PCIe slot (x2), delivering multiple internal 6Gbps connections for high-performance hard drives and Solid State Drives (SSDs).

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.)

The PCIe SATA controller card supports Port Multiplier (PM), enabling multiple SATA drives to be connected to one port over a single cable, for a total of 7 drives (Up to 4 drives through PM on one port, and a single drive to the remaining 3 ports). Plus, the SATA controller card offers an effective hardware RAID solution, with native RAID (0, 1, 1+0) support.

Throughput Benchmark

Drive configuration	Throughput	Drive size
1 x HDD	112.81 MB/s	2 TB
1 x SSD	490.28 MB/S	120 GB
1 x HDD + 1 x SSD HyperDuo (Safe Mode)	**489.28 MB/s**	2 TB
1 x HDD + 2 x SSD HyperDuo (Safe Mode)	**715.13 MB/s**	2 TB

Drives Used:
SSD: OCZ Vertex 3 Series 2.5" 120 GB (VTX3-25SAT3-120G)
HDD: Western Digital Caviar Green 3.5" 2 TB (WD20EARS)

Software Used:
IO Meter, 256KB Sequential Read, queue depth = 10
This PCIe SATA 6gbps card is backed by a 2-year StarTech.com warranty and free lifetime technical support.

The StarTech.com Advantage
- Leverage SSD performance and standard HDD capacity with HyperDuo technology
- Maximize system capability with SATA III connection speeds
- Fit any standard or low profile chassis with included brackets

Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Marvell - 88SE9230
Industry Standards	PCI Express 2.0
	Serial ATA 3.0 specification
Interface	SATA

Port Style	Integrated on Card
Ports	4

Performance

LBA support	48-bit
Max Drive Capacity	Currently tested up to 4TB per drive
Number of Drives Supported Through Port Multiplier	1 to 4
Number of Ports That Support Port Multiplier	4 (can only use 1 PM at a time)
Port Multiplier	Yes
RAID	Yes
Supported RAID Modes	JBOD - (Just a Bunch of Disks)
	RAID 1 (Mirrored Disks)
	RAID 0 (Striped Disks)
	RAID 10 (1+0; Striped set of Mirrored Subset)
Type and Rate	SATA III (6 Gbps)

Connector(s)

Connector Type(s)	1 - PCI Express x2 Male
Internal Ports	4 - SATA (7 pin; Data) Plug

Software

OS Compatibility	Windows® 10 (32/64), 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64)
	Windows Server® 2012, 2008 R2, 2003
	Mac OS® 10.6 and later (tested up to 10.11)
	Linux

Special Notes / Requirements

Note	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.
	Only one port can use the Port Multiplier feature at a time. Supports up to 4 drives connected via Port Multiplier, 7 drives total.
	Port Multiplier not supported in Mac OS.
System and Cable Requirements	Available PCI Express x2 slot (backward compatible with x4, x8, and x16 slots)

Environmental

Humidity	20% ~ 80% RH
Operating Temperature	5°C ~ 50°C (41°F ~ 122°F)
Storage Temperature	-25°C ~ 70°C (-13°F ~ 158°F)

Physical Characteristics

Product Height	0.8 in [20 mm]
Product Length	2.8 in [70 mm]
Product Weight	1.8 oz [50 g]
Product Width	4.7 in [120 mm]

Packaging Information

Package Quantity	1
Shipping (Package) Weight	5.1 oz [145 g]

What's in the Box

Included in Package	1 - PCIe SATA Controller Card
	1 - Low Profile Bracket
	1 - Driver CD
	1 - Instruction Manual

Gyártó

StarTech