Szanex Computer webshop

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StarTech PCI-E x1 soros port IO vezérlő

illesztés: PCIe x1, soros port: 1db, PCI-E x1: 1db, RS-232

Cikkszám: PEXUSB3S44V

Ár:

73 800 Ft

The PEXUSB3S44V 4-Port PCI Express USB 3.0 Card lets you add four, dedicated 5 Gbps USB 3.0 ports to your PCIe x4-enabled PC. This independent port architecture improves USB 3.0 performance by transferring data on four individual channels to your computer, giving you faster file transfers.

When multiple devices are connected, traditional single bus USB 3.0 cards share your maximum bandwidth between all ports. By employing four host controller chipsets, each port operates on a separate independent transmission channel. Dedicating up to 5 Gbps to each USB port reduces performance bottlenecks, and effectively quadruples your total available to bandwidth to 20 Gbps.

Enhanced with UASP support (USB Attached SCSI Protocol), this USB 3.0 controller performs up to 70% faster than conventional USB 3.0 when paired with a UASP supported enclosure (Note: UASP requires a compatible operating system). Using a more efficient protocol than the traditional USB BOT (Bulk-Only Transport), UASP technology optimizes transfers by allowing multiple commands to be processed simultaneously, significantly increasing transfer speeds for less wait time on data transfers. See our UASP test results below for further details.
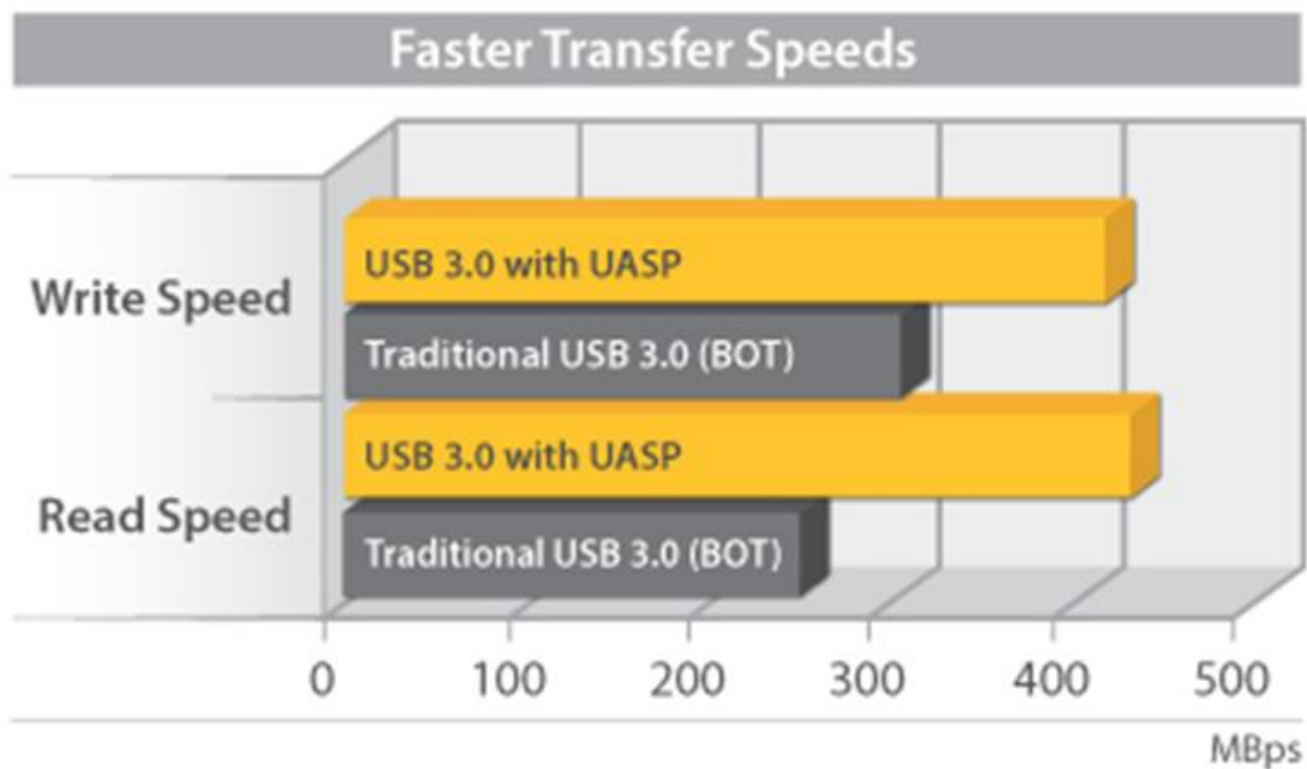
For high-power USB devices, this PCIe USB 3.0 card includes an optional SATA or LP4 power connector to connect to your system power supply and deliver up to 900mA of power per port to USB 3.0 bus-powered devices (500mA for USB 2.0). The USB 3.0 card also supports USB Battery Charging Specification 1.2 (Apple Mode only), letting you charge compatible Apple devices (iPhones and iPads) faster than a standard USB 3.0 port.

The controller card is compliant with USB 3.0 standards while offering backward compatibility with existing USB 2.0 / 1.1 devices. For added versatility, the USB 3.0 PCIe card is equipped with a standard profile bracket and includes a low-profile/half-height bracket for installation in small form-factor computers.
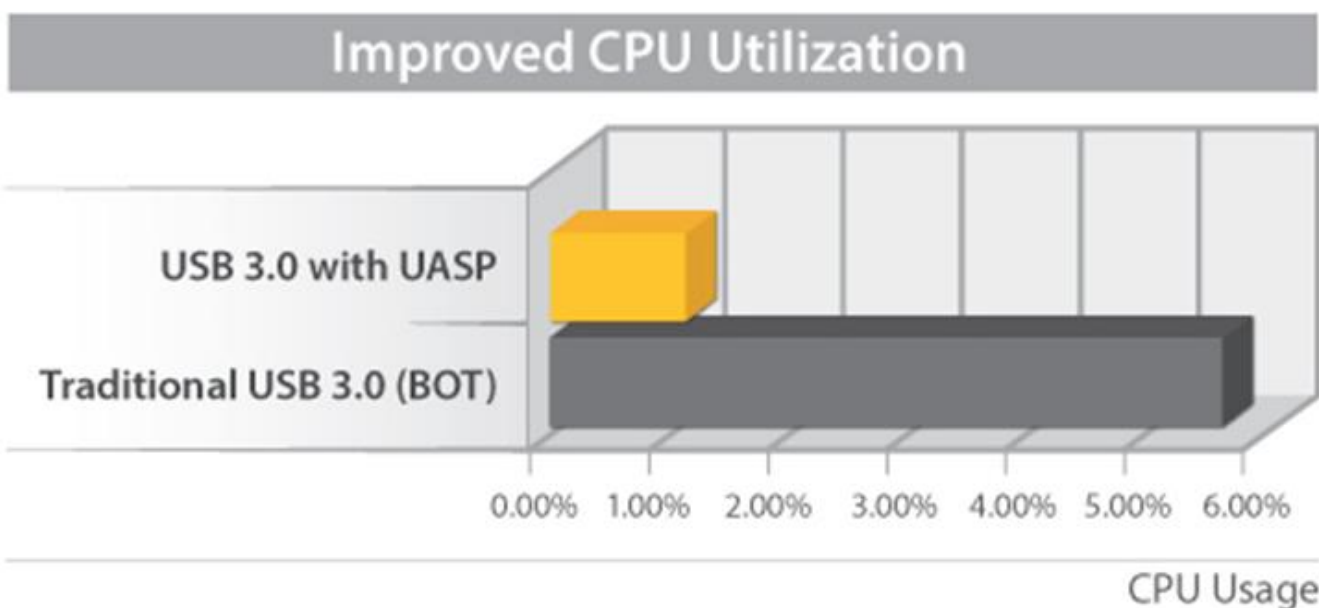
Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Improved Performance with UASP

UASP is supported in Windows® 8, 8.1, Server 2012 and Linux kernel 2.6.37 or later. In testing UASP performed with up to a 70% faster read / 40% faster write speed over traditional USB 3.0 at peak performance.

Faster Transfer Speeds

Write Speed
- USB 3.0 with UASP
- Traditional USB 3.0 (BOT)

Read Speed
- USB 3.0 with UASP
- Traditional USB 3.0 (BOT)

0   100   200   300   400   500

MBps

At the same peak in testing, UASP also showed up to an 80% reduction in required processor resources.

Improved CPU Utilization

USB 3.0 with UASP

Traditional USB 3.0 (BOT)

0.00%   1.00%   2.00%   3.00%   4.00%   5.00%   6.00%

CPU Usage

Test results were obtained using an Intel® Ivy Bridge system, StarTech.com add-on USB 3.0 cards, a UASP-enabled StarTech.com enclosure, and a SATA III solid state drive.

The StarTech.com Advantage

- Increase the efficiency of your USB 3.0 devices with four dedicated bus channels and up to 5 Gbps of bandwidth per channel - 20 Gbps total
- Time-saving file transfers, up to 70% faster than traditional USB 3.0 when used with a UASP-supported enclosure
- Power high-powered USB devices as necessary, with the optional LP4 or SATA power connector

Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	4 x Renesas / NEC - µPD720202
Industry Standards	USB 3.0 Specification Rev. 1.0
	USB Battery Charging Specification Rev. 1.2 (Apple Mode only)
	PCI Express Base Specification Rev. 2.0
	Intel xHCI Specification Rev. 1.0
Interface	USB 3.0

Port Style	Integrated on Card
Ports	4

Performance

Maximum Cable Length	9.8 ft [3 m]
Maximum Data Transfer Rate	5Gbps per port - 20Gbps Total
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes

Connector(s)

Connector Type(s)	1 - PCI Express x4 Male
External Ports	4 - USB 3.0 A (9 pin; SuperSpeed) Female
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
	1 - SATA Power (15 pin) 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
	Linux 2.6.31 and later

Special Notes / Requirements

System and Cable Requirements	Available PCI Express x4 or greater slot

Environmental

Humidity	5~85% RH
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)

Physical Characteristics

Product Height	4.7 in [120 mm]
Product Length	6.6 in [167 mm]
Product Weight	3.2 oz [90 g]
Product Width	0.6 in [15 mm]

Packaging Information

Shipping (Package) Weight	7.2 oz [204 g]

What's in the Box

Included in Package	1 - 4 Port PCIe USB Card
	1 - Low Profile Bracket
	1 - Driver CD
	1 - Instruction Manual

Gyártó	StarTech