

U-510 PCI Express Super Speed USB 3.0 Card

Data Sheet

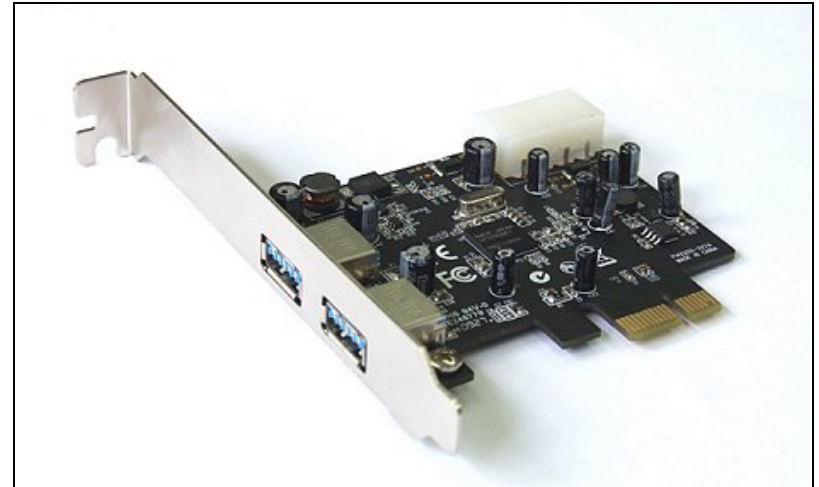
Overview

The year of 2009 marked another year of revolution on computer connectivity technology with *Super-Speed USB 3.0* released and implemented. U-510 is a 2 Ports PCI Express USB 3.0 Card utilize the solution from NEC – the first USB 3.0 host controller in the market and ready for mass delivery in the 3RD Quarter this year.

Following the success of USB 1.1 and USB 2.0, USB-IF never stop the study on providing the industry a faster USB standard for handling massive data transfer. The data transfer rate increased almost 10 folds from High-Speed 480Mbps to Super-Speed 5Gbps.

The design of U-510 uses the PCI Express Interface Specification 2.0 running also at 5Gbps, a promising design to fully utilize the Super-Speed USB 3.0 data transfer rate defined at 5Gbps.

Apart from the demanding data transfer rate, USB 3.0 is more intelligent in terms of power management. It provide more power when needed, 80% more power is available for configured devices (900 mA up from 500 mA). This means that more power-hungry devices could be bus powered, and battery powered devices that previously charged using bus power could potentially charge more quickly. At the same time, the device consumes less power when it's not needed.



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Specifications & Features

Specifications :

- Solution : NEC uPD720200
- Compliant with USB 3.0 Specification Revision 1.0
- Compliant with xHCI Specification Revision 0.95
- Compliant with PCI Express Specification 2.0
- PCI Express Interface
- Data transfer rate support 1.5Mbps/12Mbps/480Mbps/5Gbps
- Support USB legacy function
- Connectors : 2 x USB 3.0 Type A connectors
- Operating temperature : 0°C ~ 55°C
- Operating Humidity : 20-80% RH (Non Condensing)

Features :

- The latest USB 3.0 technology
- Data transfer rate support up to Super-Speed 5 Gbps
- Downward compatible with USB 1.1 and USB 2.0
- Supports Devices Hot Plug
- Supports bus power and self power mode
- Supports all USB compliant data transfer type Control/ Bulk/ Interrupt / Isochronous
- Low Profile Support

OS supports & Requirements :

- Windows XP, Vista, 7
- Available PCI Express Slot

Regulatory Approval



Packing Content

- 1 x manual
- 1 x CD Drivers