PCIE-USB380/340 USB 3.0 CARD

PCIE-USB340
4-port USB 3.0 frame grabber card



- 8 and 4 port versions
- PCI Express Gen2 - 2 GB/s total bandwidth
- 4 Renesas Host Controllers
- Windows and Linux compatible

PRODUCT DESCRIPTION

Neousys PCIe-USB380/340 is an 8-port/4-port USB 3.0 host adapter dedicatedly designed for industrial and vision applications. USB 3.0, or SuperSpeed USB, is an emerging bus technology to deliver ten times of data rate over USB 2.0, and is particularly useful for high-speed data storage and imaging devices.

Most off-the-shelf USB 3.0 cards implement multiple ports with single USB 3.0 controller, which introduce significant performance degradation for multi-port operation. To achieve maximal per-port performance, PCIe-USB380 has four independent NEC/Renesas μPD720202 USB 3.0 Host Controllers and x4 PCI Express® Gen2 interface to fulfill up to 5 Gbps bandwidth for each port when four ports run simultaneously. In addition to bandwidth advantage, PCIe-USB380/340 features on-board regulated 5VDC power supply with an unique design of configurable 900mA/1500mA current limit to supply stable 5VDC power to external USB devices. It also supports software-programmable per-port power on/off control for fault recovery operations.

Combining high bandwidth, industrial-grade power design and reliable cable connection, PCIe-USB380/340 brings great convenience to interface USB 3.0 devices for versatile operating systems, such as Windows XP, 7, 8 and Linux.

Specifications:

	PCIe-USB380	PCIe-USB340
Bus Interface	4-lanes, Gen2 PCI Express interface Compliant with PCI Express Base Specification Revision 2.0	4-lanes, Gen2 PCI Express interface Compliant with PCI Express Base Specification Revision 2.0
USB Ports	PCIE-USB380 8x USB 3.0 ports, compatible with USB 2.0/1.1/1.0	PCIE-USB340 4x USB 3.0 ports, compatible with USB 2.0/1.1/1.0
USB Controller	4x NEC/Renesas μPD720202 Host Controllers Compliant with Universal Serial Bus 3.0 specification Revision 1.0 Compliant with Intel® xHCI specification Revision 1.0	4x NEC/Renesas μPD720202 Host Controllers Compliant with Universal Serial Bus 3.0 specification Revision 1.0 Compliant with Intel® xHCI specification Revision 1.0
USB Connectors	4x on-panel USB 3.0 Type-A connectors with M2 screw threads 4x on-board USB 3.0 Type-A connectors with fix points for cable tie	4x on-panel USB 3.0 Type-A connectors with M2 screw threads
USB Per-Port Current Limit	User-configurable 900mA/1500mA per-port current limit	User-configurable 900mA/1500mA per-port current limit
Power Requirement	Maximal 2.0A @ 3.3V from PCI Express bus Maximal 5.5A @ 12V from directly PCI Express bus for USB devices	Maximal 2.0A @ 3.3V from PCI Express bus Maximal 2.8A @ 12V from directly PCI Express bus for USB devices
Operating Temperature	0 ~ 60°C with ambient air flow	0 ~ 60°C with ambient air flow

Dimension	167.7 m (W) x 111.2 mm (H)	167.7 m (W) x 111.2 mm (H)

SPECIFICATIONS

Chipset	4x NEC/Renesas µPD720202
Height	111.2 mm
Temperature range from	0 °C
Temperature range to	60 °C
Width	167.7 mm