

USB3000X

4 Port USB 3.0 Controller for PCI/104-Express



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The USB3000X is a 4 port USB 3.0 controller card for PCI/104-Express systems. The USB 3.0 controller is xHCI compliant that supports all USB 3.0 device speeds. The USB3000X is an ideal way to add USB 3.0 devices to a PCI/104-Express system.



The USB3000X provides four USB 3.0 Type A connectors and is backward compatible with USB 2.0 and USB1.1 devices. The USB3000X supports 5Gbps Super Speed devices as well as High Speed (480Mbps), Full Speed (12Mbps) and Low Speed devices (1.5Mbps) devices. The USB controller has best-in-class adaptive receive equalizer design that maximizes the performance when using long cable lengths.

The USB3000X is supported by drivers for Windows and Linux.

Rev A.00

Subject to change without notification

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4 USB 3.0 ports
supporting up to
5Gbps operation



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Backwards
compatible
with USB 2.0,
USB 1.1

Applications

Solid-state recorder

Mass Storage

USB displays

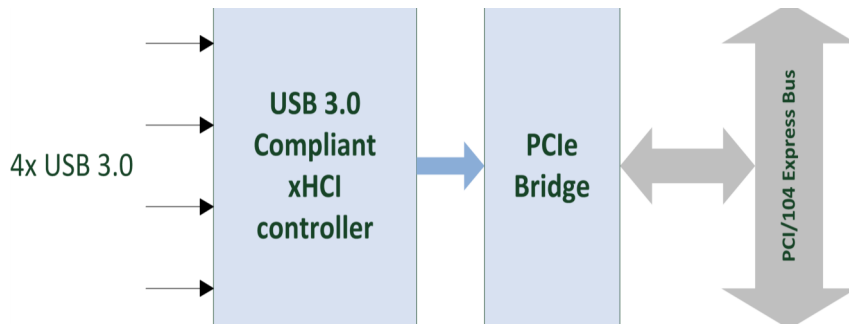
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USB3000X Functional Diagram

Ideal for adding
high performance
removable storage

Features

- USB 3.0 xHCI Compliant Host Controller
- 4 USB 3.0 Type A ports
- Super Speed USB 3.0 data transfer rates up to 5Gbps
- Backwards compatible with USB 2.0 and 1.1 devices
- Single PCIe x1 link
- Robust PC/104-Express construction
- Each port can provide up to 1.8A
- Single +5V operation
- Drivers for Windows and Linux

PCI/104-Express Bus Interface

Single x1 PCI Express Link
PCIe Gen 2.0

USB

4x USB 3.0 Type A ports
USB 3.0 Compliant xHCI Host Controller
Supports all USB 3.0 speeds
 Super Speed (5Gbps)
 High Speed (480Mbps)
 Full Speed (12Mbps)
 Low Speed (1.5Mbps)
Each port provides up to 1.8A

Miscellaneous

Standard 3.6 x 3.8in PCI/104-Express form factor
Single +5V supply
Operating temp 0°C to 60°C
Operating temp -40°C to +85°C (extended temp option)
PCI-104 pass-through (optional)

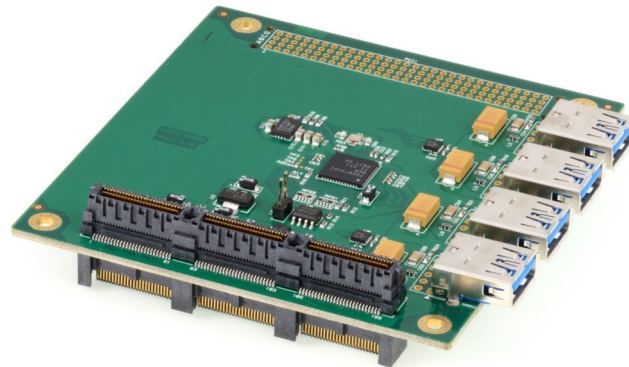
Ordering Information

USB3000X

4-port USB 3.0 controller (0 to 60°C)

USB3000-EXT

4-port USB 3.0 controller (-40°C to +85°C)



USB3000X

