

U3-PCIE1XG202 Host Adapter

2-port USB 3.0 to PCI Express x1 Gen2 Host Card



Highlights

- Compliant with PCI Express Base Specification Revision 2.0
- Supports PCI Express Card Electromechanical Specification Revision 2.0
- Host Bus: PCIe x1 Gen 2 (5.0 Gb/s)
- Compliant with Universal Serial Bus 3.0 specification Revision 1.0
- Compliant with Intel's eXtensible Host Controller Interface (xHCI) specification Revision 1.0
- Two USB 3.0 Cable Ports (A-type Receptacle) with Screw Lock Holes
- Low Profile PCI Form Factor (BR-00166-01)

Introduction

U3-PCIE1XG202 is a 2-port USB 3.0 to PCI Express x1 Gen2 Host Card.

The U3-PCIE1XG202 complies with Universal Serial Bus 3.0 Specification, and Intel's eXtensible Host Controller Interface (xHCI).

The U3-PCIE1XG202 uses a PCI Express bus interface, and it is applicable for PCI Express solutions with host PC systems.

The U3-PCIE1XG202 supports data transfer up to 5 Gbps when connecting to USB 3.0 compliant peripherals, while maintaining compatibility with existing USB peripheral devices.

Technical Specifications

<p>PCIe Host Bus</p>	<ul style="list-style-type: none"> • Compliant with PCI Express Base Specification Revision 2.0 • Supports PCI Express Card Electromechanical Specification Revision 2.0 • Compliant with Intel's eXtensible Host Controller Interface (xHCI) Specification Revision 1.0 • Supports PCI Bus Power Management Interface Specification Revision 1.2 • Operational registers are direct-mapped to PCI memory space • Supports Serial Peripheral Interface (SPI) type ROM
<p>USB Features</p>	<ul style="list-style-type: none"> • Supports two downstream ports for all speeds • Supports all USB compliant data transfer types as follows; Control / Bulk / Interrupt / Isochronous transfer • Compliant with USB 3.0 Specification Revision 1.0 • Each USB port supporting SS/HS/FS/LS data rates (5Gbps/480Mbps/12Mbps/1.5Mbps) • Supports USB Battery Charging Specification Revision 1.2
<p>USB Data Transfer Rate</p>	<ul style="list-style-type: none"> • Low-speed (1.5 Mbps) • Full-speed (12.0 Mbps) • High-speed (480.0 Mbps) • Super-speed (5.0 Gbps)
<p>Number of Ports</p>	<p>Two USB 3.0 Cable Ports (A-type Receptacle) with Screw Lock Holes</p>
<p>USB Bus Power Input</p>	<p>U3-PCIE1XG202: From PCIe 12V (Step-Down) or 3.3Vaux (Step-Up) U3-PCIE1XG202-10: From PCIe 12V</p>
<p>Remote wake-up</p>	<p>U3-PCIE1XG202: Yes U3-PCIE1XG202-10: No</p>

Computer Platform

- Computer with PCI Express slot (x1, x4, x8, x16)

Note:

For the best performance (5.0 Gbps), It should be installed in a PCIe Gen 2 compliant slot in the host computer.

Most computers have PCIe Gen 2 (5.0 Gbps) throughput on x8 or x16 slots.

A PCIe Gen 1 compliant slot reaches up to 2.5 Gbps throughput

Physical Dimensions

- 84mm(W) x 64mm[120mm](H)
- NW: 45.2g

Kit includes

- U3-PCIE1XG202 Host Adapter
- Driver CD

Optional Accessories

- Low Profile PCI Bracket (BR-00166-01)