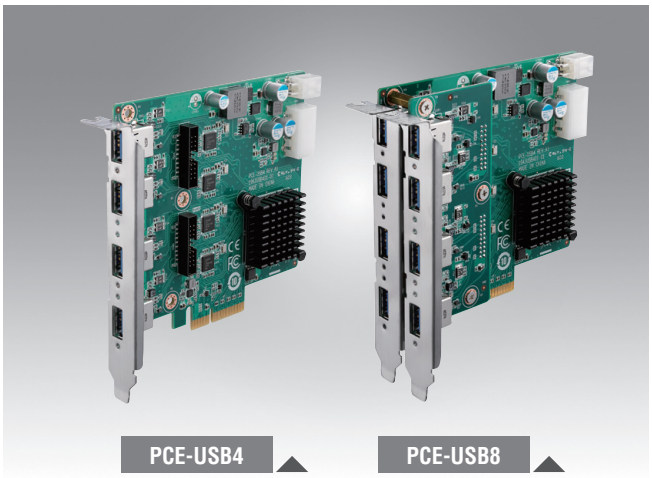
# PCE-USB4 (4 ports)
# PCE-USB8 (8 ports)

## PCI Express x4, 4/8-Port USB 3.0 Expansion Card




## Features

- Four USB 3.0 host controllers
- Supports 1500mA Max. current per port
- Supports four or eight USB 3.0 ports
- Compliant with USB 3.0 specification and Intel® xHCI specification, revision 1.0
- PCI Express x4 interface
- Supports Microsoft Windows 7/8.1/10 and Linux operating systems

## Introduction

PCE-USB4 is a 4-port PCIe x4 expansion card aimed at industrial imaging applications. Featuring four independent Renesas µPD720202 USB 3.0 host controllers, a Gen 2 PCI Express® x4 interface, and a per-port bandwidth of 5 Gbps when operating four ports simultaneously, PCE-USB4 delivers maximal per-port performance. PCE-USB4 features four USB 3.0 ports (for expansion, PCE-USB8 features eight USB 3.0 ports) with 1500 mA current to ensure stable power for external USB devices. PCE-USB4 is a high-bandwidth industrial-power expansion card designed for machine vision, factory automation, and medical applications, as well as any other applications that require high data transfer speeds.

## Specifications

| | | |
|---|---|---|
| USB | Interface | PCI Express x4 |
| | Connector | 4 x USB 3.0 Type A (PCE-USB4-00A1E)<br>8 x USB 3.0 Type A (PCE-USB8-00A1E) |
| | Host Bus | 4-lane Gen 2 PCIe interface, compliant with PCI Express Base Specification, Revision 2.0 |
| | Controller | 4 x Renesas µPD720202 host controllers<br>Compliant with Universal Serial Bus 3.0 Specification and Intel® xHCI Specification, Revision 1.0 |
| | Max. current | 1500 mA maximum per port |
| | Data Transfer Rate | Super speed (5.0 Gbps)/high speed (480.0 Mbps)/full speed (12.0 Mbps)/low speed (1.5 Mbps) |
| Environment | Operating Temperature | 0 ~ 60 °C |
| | Storage Temperature | -40 ~ 85 °C |
| | Dimensions (L x H) | 118 x 111 mm (4.64" x 4.37") |
| | Certifications | CE/FCC, Class B |

## Ordering Information

| Part Number | Description |
|---|---|
| PCE-USB4-00A1E | PCIe x4, 4-port USB 3.0 expansion card |
| PCE-USB8-00A1E | PCIe x4, 8-port USB 3.0 expansion card |

## I/O View

PCE-USB4-00A1E

PCE-USB8-00A1E

**Note: Indicated USB3.0 port cannot support USB3.0 type A locking cable.**