

PCE-USB4V2 USB3.2 Gen2 Expansion Card Startup Manual

Packing List

Before you begin installing your card, please make sure that the following items have been shipped:

- 1 x PCE-USB4V2 USB3.2 Gen2 expansion card
- 1 x CD with utility Part No. 2041USB400

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Note: Acrobat Reader is required to view any PDF file. Acrobat Reader can be downloaded at: get.adobe.com/reader (Acrobat is a trademark of Adobe)

Specifications

General

- **PCE-USB4V2-00A1:** 4 Ports USB3.2 gen2 expansion card.
- **Chipset:**
3 x Asmedia 3142 host controllers
Compliant with Universal Serial Bus 3.2 specification
Intel® xHCI Specification, Revision 1.1
- **Interface:** PCI Express x4 (Gen3.0)
- **Data Transfer Rate:** Super speed+ (10.0 Gbps)/Super speed (5.0 Gbps)/high speed (480.0 Mbps)/full speed (12.0 Mbps)/low speed (1.5 Mbps)
- **Current Protection:** 3000mA per-port current limit

Specifications (Cont.)

Mechanical and Environmental

- **Dimensions:** (L x W):
118 x 111 mm (MB)
- **Power requirements:**
Slot: PCI Express 3.0 standard
- **Net Weight:**
0.11 kg

Connectors

Main Board Connectors

Label	Function
USB1~4	USB3.2 Gen2 port 1~4
RST1	Reset USB card function
RST2	Reset USB card function
ATX12V1	ATX 12 V Auxiliary 4-pin power connector
PWR1	ATX 5V & 12V 4-pin power connector

For more information on this and other Advantech products, please visit our website at:

<http://www.advantech.com>

For technical support and service, please visit our support website at:

<http://support.advantech.com.tw/support/default.aspx>

This manual is for the PCE-USB4V2 Series Rev. A1.

Part No. 2041USB400

Printed in China

1st Edition,
August 2026

Software Installation

The drivers for the PCE-USB4V2 series are located on the software installation CD. Please click through the folder and follow the screen instructions to install them.

Caution! The computer is supplied with a battery-powered realtime clock circuit. There is a danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer. Discard used batteries according to manufacturer's instructions.



Declaration of Conformity

This device complies with the requirements in Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference;
2. This device must accept any interference received, including interference that may cause undesired operation.

Board Layout

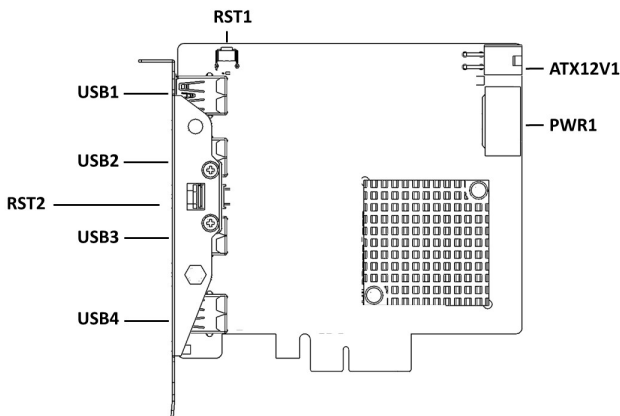


Figure 1: Main Board Connectors Locations