

PCIE-7217 PCI Express Card Quick Start Guide

P/N: 6806873A02B (September 2019)

1 Box contents

Make sure you receive all items of your shipment:

- One PCIE-7217 card
- One printed copy of *Quick Start Guide* (this document)
- One printed copy of *Safety Notes Summary*
- Any optional items ordered



When installing or servicing the system or accessories, strictly observe the safety precautions in the *Safety Notes Summary*. Ignoring these instructions can void the system warranty and cause personal injury or property damage.

2 ESD

Use ESD protection



Electrostatic discharge and incorrect installation or removal of the card can damage circuit or shorten its life.

Use a properly grounded ESD wrist strap or work in an ESD-safe environment.

Connect to the ESD connector at the front or the rear of the system.

3 Site preparation

1. Remove all items from the box.
2. Identify the system in which the PCIE-7217 card is to be installed.
3. Prior to installation, make sure that all the environmental and power requirements defined in the *PCIE-7217 Installation and Use* manual are met.

4 Install PCIE-7217 card

NOTE: Make sure that the system is shut down and disconnected from the power source.

1. Shut down the system, including any attached peripherals, and disconnect the shelf from the power source through the Board Management Controller (BMC) or by pressing the power button.
2. If present, remove the filler panels in the PCIe slots.
3. Insert the PCIE-7217 card into the PCIe slot, making sure the card is properly aligned in the slot.
4. Secure the card in the system using the screws provided:
 - 6-32 screw (0.25") is used near the rear panel
 - M3.0 screw (6mm) is used on the front card guide
5. Fill the empty PCIe slots adjacent to the PCIE-7217 with other PCIe cards or filler cards for optimal cooling.
6. Connect your system to the console microUSB port of the PCIE-7217 card using a standard USB-A to microUSB-B cable.

For more information about installing this PCIe card, refer to the *PCIE-7217 Installation and Use* manual.



5 Important information: USB/Console access

The PCIE-7217 face plate contains a microUSB 2.0 host port per CPU and a microUSB terminal port to access the serial console (COM port) for both CPUs.

Each of the USB host ports is connected to one of two CPUs (USB1 for CPU1 and USB2 for CPU2). With appropriate USB adapters for various devices, the USB1 and USB2 ports are available to connect standard USB devices like flash drives to the CPUs.

For terminal connections, a single console microUSB port is available for both CPUs. For a host to access the serial console ports of the CPUs through the console USB port, a cp210X driver must be installed on the host system. The cp210x driver is available for many operating systems at <http://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx>

The standard USB-A to microUSB-B cable is available from SMART Embedded Computing (ordering P/N MC3000-I/O-USB-CBL).

Technical assistance

For technical assistance or to report product damage or shortages, contact your local SMART Embedded Computing sales representative or visit <https://www.smartembedded.com/ec/support>.

Get more information

For more information on this product, refer to the *PCIE-7217 Installation and Use* manual and other related technical documentation, which can be found by using the Documentation Search at <https://www.smartembedded.com/ec/support/>



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