PCIe USB 3.0 Controller Card

Model: SD-PEX20139

User Manual
Ver. 2.00

Chipset: Renesas D720201

Introduction

This PCI-Express 2.0 Usb 3.0 Host Controller Card complies with the Universal Serial Bus 3.0 Specification Revision 1.0 and PCI Express Generation 2 Specification. The Super Speed USB 3.0 standard operates at 5Gbps full-duplex mode and is 10 times faster than the USB 2.0 High-speed standard (480 Mbps). It is also backwards compatible with current USB 2.0 devices running at High-speed(480 Mbps), Full-speed(12 Mbps), and Low-speed(1.5 Mbps) modes. This product is an ideal choice for a desktop computer that needs larger volume and higher speed data transfer connectivity with USB devices, such as external Hard Disk Drives, Solid State Drives, optical drives, and more.

Features & Specifications

- Supports 2 downstream ports for all speeds

- Single-lane PCIe up to 5Gb/s

- Compliant with Universal Serial Bus 3.0 specification revision 1.0

- Compliant with PCI Express base Specification 2.0

- Supports simultaneous operation of multiple USB 3.0, USB 2.0, and USB 1.1 devices.

- Supported Data Rates: Super speed(5Gb/s), high speed(480 Mb/s), full speed(12 Mb/s), low speed(1.5Mb/s).

- Compliant with Intel's extensible host controller interface specification revision 1.0.

- Supports all USB compliant data transfer types (Control / Bulk / interrupt / Isochronous)

- Supports all USB compliant peripherals (e.g. keyboard, mouse, monitor, joystick)

- Internal power connector for supplying +5V power to the USB ports, with LED

Package Contents

- 1 x USB 3.0 PCI Express Controller Card

- 1 x User Manual

- 1 x Driver CD

System Requirements

- Supports Windows® XP/Vista/7/8/ Server 2008/, Linux kernel 2.6

- 4-pin male Molex connector

Hardware Installation

1. Turn off the power to your computer

2. Unplug the power cord and remove your computers cover

3. Locate an empty PCIe slot on the motherboard and remove the slot bracket. Save the bracket and screw for later.

4. To install, carefully align the cards bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.

5. Fasten the card to the computer case with the bracket screw you previously removed.

6. Connect the card to the Power Supply Unit via Molex connector.

7. Replace the computer cover and reconnect the power cord

Driver Installation

1. Insert the driver CD-ROM.

2. Find the Folder C:\Renesas\uPD72020x\ on the CD-ROM.

3. Double click the "stepup.exe" application to automatically install the drivers.

4. When the driver installation is complete, restart your computer.

FAQ

Question: *"Do I need to connect the card to the PSU via Molex connection?"*

Answer: Yes, this device must be connected to the PSU to operate properly. If this device is not supplied additional power the USB ports may not function.

Question: I installed the card but it is not recognized in my system?

Answer: Try reseating the card into another PCIe slot if available. If that fails try updating the motherboard/BIOS. Also ensure that any optional system updates have been applied.

Question: I installed the card and the drivers but the device is still not working?

Answer: Uninstall the device and drivers from the system. Reinstall the device and, manually install the drivers.

Question: I try to install the drivers for the device but receive a Code: 10 error?

Answer: This indicates a failure with the drivers being installed. Please download the latest drivers of the device and try again.

Question: The device installed properly but keeps disconnecting and reconnecting?

Answer: Certain device will install properly yet act buggy. To remedy this problem download and, install the latest drivers for the device from the manufacturer website.

Version Information

Version: 2.0   Date Updated: 3/20/2014

Changes/Fixes:

 - Compiled manual information into .pdf format.

 - Cleaned up wording and text throughout the previous 1.0 manual.

 - Added troubleshooting guides for installation of driver

 - Added chipset information to document.

 - Expanded FAQ with general information.