

PCIe ASM3142 2C2A USB3.1 10Gbps Card

MC-PCIE-648



Description

The PCIe ASM3142 2C2A USB3.1 10Gbps Card is the next generation Universal Series Bus xHCI host controller, bridging PCI Express to USB3.1 Gen-II , compliant with USB3.1 Specification Revision1.0 and Intel eXtensible Host Controller Interface Specification revision1.1,it supports the new feature of USB3.1 Gen2, named multiple INs to achieve fully utilization rate of 10Gbps data rate, taking advantage of the available bandwidth of USB3.1 Gen2 bus. The USB3.1 Card application of Desktop PC, Workstations, Servers, etc..

Specification

- Support PCI Express Gen-III x2
- Compliant with PCI Express Base3.0 Specification
- Compliant with PCI Express card Electromechanical 2.0 specification
- Compliant with Universal Serial Bus 3.1 Specification Revision1.0
- Compliant with eXtensible Host Controller Interface specification Revision 1.1
- Compliant with USB Attached SCSI Protocol Revision 1.0
- PCI Express interface: X4
- Support high bandwidth performance with low latency
- Support PCI Express Link power management
- Support 2x USB3.1 Type-A and 2x USB3.1 Type-C
- Each port transmission speeds up to USB3.1 Gen-II 10Gbps
- Maximum current 2A each USB3.1 Type-A
- Maximum current 3A each USB3.1 Type-C
- Backward compatible with Legacy USB function and device

- Support USB SuperSpeed+(10Gbps),SuperSpeed(5Gbps),HighSpeed(480Mbps) , FullSpeed(12Mbps),and LowSpeed(1.5Mbps) transmission
- Support proprietary driver for Windows7,and in box driver for Windows8,Window8.1,Server2012 and Windows 10
- Support various Linux kernels
- Chipset:ASM2806A+ASM3142

Package content

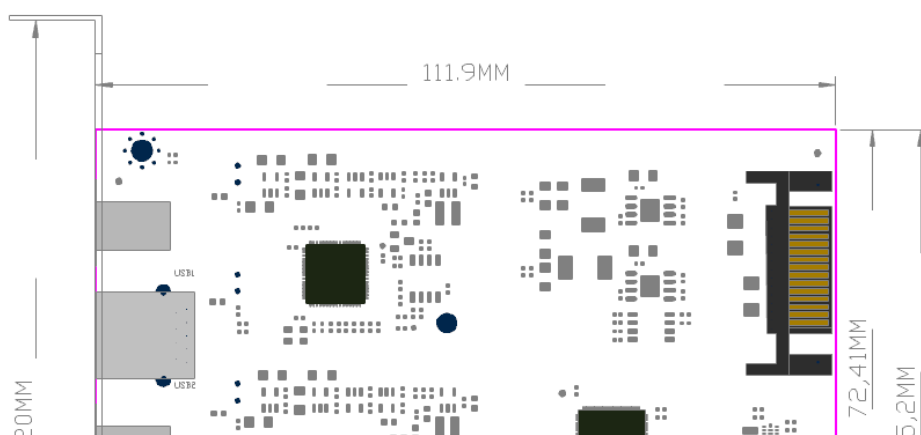
- 1 x PCIe ASM3142 2C2A USB3.1 10Gbps Card
- 1 x User's Manual
- 1 x CD
- **Accessories**



System Requirements

- Various Linux kernel2.6.31 and later OS in-box USB driver natively support UASP, no additional driver required
- Mac 10.8 to 10.10 ,Mac12.12 and later
- Windows Operation Systems: Win7/Win8/Win8.1/Server2012/Win10 32bit or 64 bit
- An available PCI-Express x4/x8/x16 slot

Hardware Description





Power Jack

Hardware installation

1. Turn Off the power to your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCIe x4/x8/X16 slot.
4. To install the card, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.
5. plug the 15PIN SATA power cable into power jack
5. Replace the slot bracket's holding screw to secure the card.
6. Replace the computer cover and reconnect the power cord.

Install Drivers

Windows[®] Operating Systems

For Windows 7 32 or 64bit

Please insert the CD driver bound with PCIe USB3.1 Card into your CD-ROM Drive.

At the Windows desktop, click “**Computer**” Double click CD-ROM Drive to Browser drivers files:

Type: D: \ USB3.1 ASM3142 \Setup.exe, click OK. (Change D: to match your CD-ROM drive letter)

Follow the on-screen instruction to complete the installation

For Win8, Win8.1, Win SERVER2012 ,Win10 32 or 64bit

Using in Windows box driver for Win8, Win8.1 and Win10 to complete install the drivers

To Verify Windows[®] Driver Installation

Click on the **Device Manager** tab in System Properties, which you access from the Windows Control Panel. If you has installed successfully, you should see

“**ASMedia USB3.1eXtensible Host controller**”...installed under **Universal Serial Bus Controllers** item.

Support

More information and settings please refer to the User Guides or you can contact us.