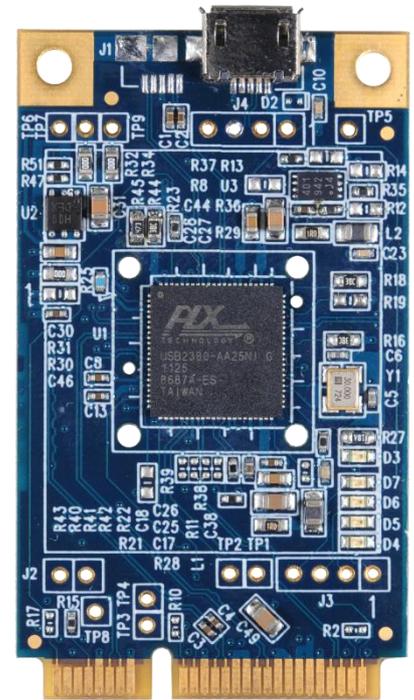


USB2380EVB

(USB2380 Evaluation Board)

The USB 2380 is a PCI Express Gen 1 to USB 2.0 Hi-Speed Peripheral Controller. It features one PCI Express Gen 1 x1 port and one USB 2.0 Hi-Speed client port. The USB 2380 provides a matching bandwidth at 2.5 GT/s between the PCI Express Gen 1 bus and the USB 2.0 Hi-Speed bus. The controller can easily add a USB 2.0 client port to an existing PCI Express system, as well as convert an existing PCI Express function (endpoint) to a USB 2.0 product. The USB 2380 can configure the PCI Express port as one x1 upstream port or one x1 downstream port. The flexibility allows different system configurations to achieve the maximum performance of the product.



Specification:

USB 2.0 Client Interface

- ◆ USB 2.0 Specification Compliant
- ◆ 1 upstream port
- ◆ Supports Hi-Speed, Full-Speed modes
- ◆ Four Descriptor-based DMA channels for automatic data transfers
- ◆ Supports USB Duet® Technology
- ◆ USB Auto-Enumeration Technology
- ◆ Support for Bulk, Isochronous, and Interrupt Endpoints
- ◆ USB 2.0 link power management states: L0, L1, L2
- ◆ Micro B Receptacle connector

PCI Express Interface

- PCI Express Gen 1 (2.5Gbps)
- Electrical Compliance to PCI Express Base Specification r2.0
- PCIe interface and integrated root complex provides two configurations:
 - one x1 upstream port
- PCI Express Power Management
 - All link power management states: L0, L0s, L1, L2/L3 Ready, and L3
 - Device states: D0 and D3(not & cold)
 - Vaux, Wake#, Beacon support
- 256 byte maximum payload size
- ExpressCard 2.0 compliance
- Full-size MiniCard / mPCIe edge connector

As a New manufacturer of quality computer connectivity products since 2009/Mar, BPLUS technology brings to market a broad range of upgrade products. These products bridge the connection between Desktop/Notebook systems and external peripherals.



Professional I/O adapter provider

Bplus Technology Co., Ltd.

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http://www.Bplus.com.tw

Applications

Target applications for the **USB2380EVB** adapter as a PCI Express endpoint include PCs, servers, docking stations, printers, and PCI Express embedded systems.



Add a USB 2.0 Client Port to PCI Express-Based Systems

The USB 2380 can be used to easily add a USB 2.0 client port to any PCI Express based embedded system. As a PCI Express endpoint, the USB 2380's Standard PCI Express interface connects directly to any PCI Express bus.



Add a USB 2.0 Client Port to ExpressCard-Based Systems

The USB 2380 can be used to easily add a USB 2.0 client port to any ExpressCard based embedded system.

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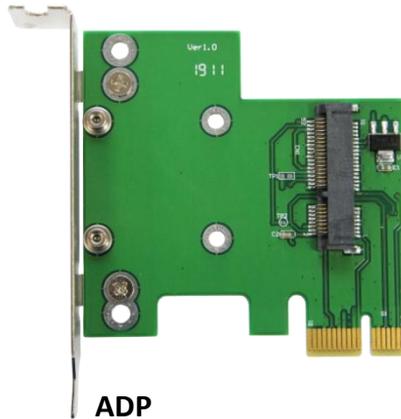
USB2380-AA EVK Contents



USB2380EVB
(mini PCI Express to USB 2.0 Adapter) x1



Screw x2



ADP
(mini PCIe to PCIe Adapter) x1



USB 2.0 A Male to Micro B Cable x1

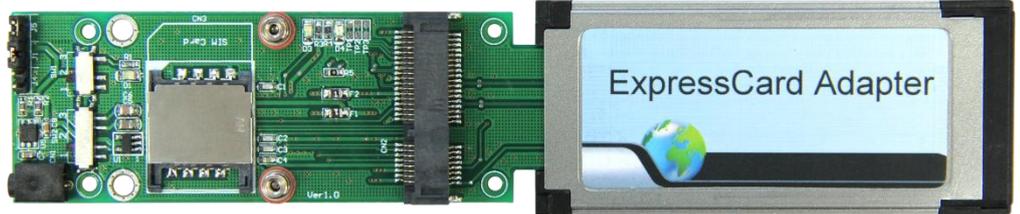


JP0875
(Standard Height PCI Express bracket) x1

USB2380EVB-PE3B Contents



USB2380EVB
(mini PCI Express to USB 2.0 Adapter)



PE3B
(Mini Card to ExpressCard Adapter) x1



P25AMTDC60
(USB A Male to DC Power Cable) x1



Screw x2



USB 2.0 A Male to Micro B Cable x1

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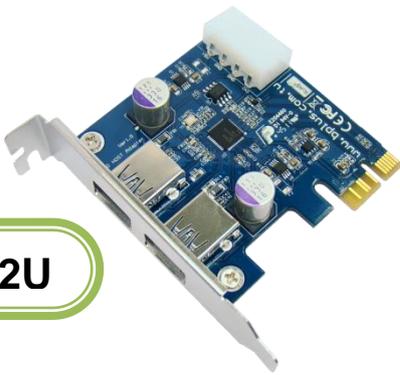
Option

PP3U



Legacy PC (PCI slot) <-> PP3U (USB3.0 Host) <-> USB2.0 CABLE <->

PP2U



PC (PCIe slot) <-> PP2U (USB3.0 Host) <-> USB2.0 CABLE <->

EC4U



Notebook (Expresscard slot) <-> EC4U (USB3.0 Host) <-> USB2.0 CABLE <->



USB2380-AA EVK <-> PC (PCIe slot)



USB2380EVB-PE3B <-> ExpressCard

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