

## EC3380-AB (USB3380-AB Evaluation Board)

The EC3380-AB is evaluation board for USB 3380-AB, an ExpressCard (PCI Express Gen 2) to USB 3.0 SuperSpeed Peripheral Controller. It

features one ExpressCard (PCIe Gen 2) port and one USB 3.0 SuperSpeed client port. The EC3380-AB provides a matching bandwidth at 5GT/s between the PCI Express Gen 2 bus and the USB 3.0 SuperSpeed bus. The controller can easily add a USB 3.0 client port to



an existing system such as laptop PC with ExpressCard slot, as well as convert an existing PCI Express function (endpoint) to a USB 3.0 product. The EC3380-AB can configure the ExpressCard 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 3.0 Client Interface

- ◆ USB 3.0 Specification
- ◆ 1 upstream port
- ◆ Supports SuperSpeed, 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 Power Management USB 3.0 link power management states: U0, U1, U2, U3
- ◆ USB 2.0 link power management states: L0, L1, L2

#### ExpressCard (PCI Express) Interface

- PCI Express Gen 2 (5Gbps)
- Electrical Compliance to PCI Express Base Specification r2.0
- PCIe interface and integrated root complex provides two configurations:
  - one x1 upstream port
  - one x1 downstream port
- PCI Express Power Management  All link power management states: L0, L0s, L1, L2/L3 Ready, and L3  
Device states: D0 and D3(hot & cold)  
Vaux, Wake#, Beacon support
- 256 byte maximum payload size
- ExpressCard 2.0 compliance

**Note: Software development is required. To obtain RDK, please contact PLX Sales Representative or Distributor;**  
<http://www.plxtech.com/about/contacts>

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.



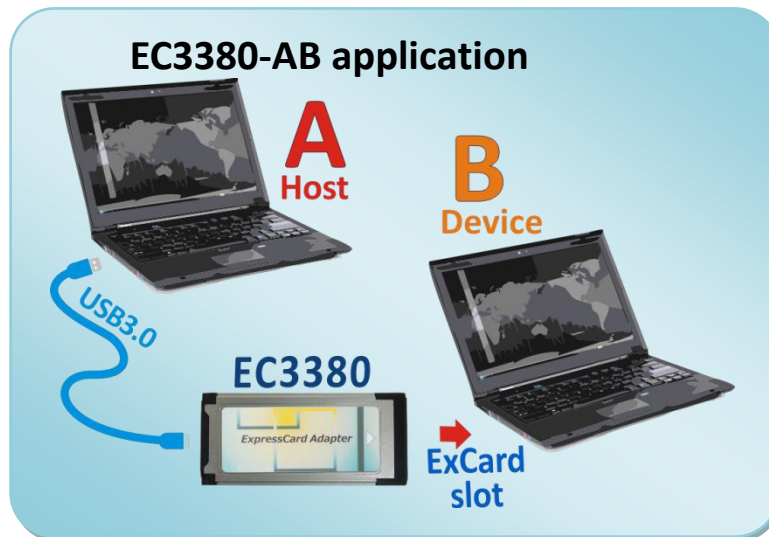
Professional I/O adapter provider

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## Applications

Target applications for the **EC3380-AB** adapter as a PCI Express endpoint include PCs, servers, docking stations, printers, and PCI Express embedded systems.



### Add a USB 3.0 Client Port to ExpressCard-Based Systems

The EC3380-AB can be used to easily add a USB 3.0 client port to ExpressCard based embedded system.

## EC3380-AB Contents



### EC3380-AB

(ExpressCard to usb 3.0 Adapter) x1



### SPB087

(ExpressCard 34 to 54 Bracket) x1



### Y02-U3-150

(USB 3.0 A Male to Micro B Male 150cm Cable) x1

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**PP3U**

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



**PP2U**

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



**EC4U**

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



**EC3380-AB <> ExpressCard slot**

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