

Merlin™ XUA-1



ExpressCard to USB Adapter

The Merlin™ XUA-1 is a light and portable ExpressCard to USB converter that permits customers to use Novatel Wireless Broadband ExpressCards, which include the Merlin™ XU870, V640 and V740, in computers that do not have ExpressCard slots but do have USB port access.

This USB adapter makes Novatel's ExpressCards versatile in that they can be used both in laptops and desktop computers. Carriers benefit by enabling the end-user greater use of the mobile broadband cards thus increased data ARPU.

Extended Use

The ExpressCard is a smaller and faster version of a PCMCIA card. The XUA-1 offers the perfect solution for customers who do not have an ExpressCard slot on their computer but want to take advantage of high speed mobile broadband. The only requirement is an available USB 2.0 port.

No Extra Drivers or Software

Using the XUA-1 is transparent to the computer. Once the XUA-1 with ExpressCard is connected to the USB port, the card will behave as if the card is in an ExpressCard slot. All conversions between the ExpressCard and USB are done transparently by the intelligent hardware in the XUA-1. It uses the same software and drivers that come with the Novatel Wireless ExpressCard product.

One Piece with Built-In Y Cable Connector

Two USB connectors on the Y-cable deliver a power boost for improved RF performance. The second USB connection is useful in fringe reception areas. The use of the second connector is optional. In most cases, the XUA-1 will work well with only one USB connector.



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Technical Specifications

ExpressCard to USB Adapter



One connector for typical use



Second connector for extended RF performance

Advanced Technologies

- ExpressCard to USB conversion

Dimensions and Weight

- 108 x 49 x 14 mm (4.3 x 1.9 x 0.5 in.)
- 70 g (2.5 oz.)

Form Factor

- Thin, rectangular box shape which forms a “sleeve” over ExpressCards and attaches to a USB port using the built-in cable

Host Interface

- USB 2.0

Power consumption

- Voltage 5V (nominal)
- Converts USB 5V to ExpressCard 3.3V

Environmental

- Operating temperature: 0°C to 50°C (32°F to 122°F)
- Storage temperature: -20°C to 65°C (-4°F to 149°F)
- EMI Shielding

Applications

- Internet, Intranet
- e-mail & SMS
- Connection logging
- VPN

Software

- Works with all software that is with the original ExpressCard including MobiLink™

Standards/Approvals/Certifications

- FCC
- CE Marking
- Industry Canada
- ExpressCard Compliant
- USB Compliant
- RoHS Directive 2002/95/EC Compliant
- WEEE Directive 2002/96/EC Compliant

Operating Systems Supported*

- Windows® 2000, XP & Vista
- Mac OS X 10.4 Connection Utility
- Linux 2.6.16

Minimum system requirements

- USB 2.0 slot

Standard Package Contents

- Quick Start Guide
- Merlin XUA-1 with attached Y-cable for use in one or two USB slots**

Branding/Customization

- Hardware (Logo)

For More Information:

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NOVATEL WIRELESS

ISO 9001:2000 Certified
14915034 Rev.1 01.07

* Operating system requires USB 2.0 support.

** May be sold separately or bundled with Merlin™ ExpressCard.