

# Mini-PCI Express Adapter Board



NimbeLink's mini-PCI express adapter board is designed to let product developers add Verizon cellular connectivity to any device with a mini-PCIe slot—embedded PCs, laptops, or custom PC boards--without the cost and delay of obtaining FCC and carrier certification in a variety of applications including:

- Kiosks
- Digital signage
- Security panels
- Surveillance equipment
- Control panels

The mini-PCIe adapter board accepts all of NimbeLink's Skywire<sup>®</sup> end-device certified modems, except for the NL-SW-HSPA. The standard half-size PCIe adapters, with choice of compact Skywire, fit easily within most of today's miniaturized devices. If the customer's device only accepts a full-size card, the PCIe and modem can plug into a half-to-full-size adapter. Customers can purchase the PCIe adapter board from NimbeLink distributors or manufacture their own using NimbeLink provided design files, bill of materials, and PCB gerbers.

## Product Brief

Part Numbers	Description
NL-AB-MPCIE	Mini-PCI Express Adapter Board

## Features

- Accepts Skywire certified 2G, 3G, and LTE modems
- Compact size fits directly onto boards with mini-PCIe slots
- Plug-and-play operation with Linux, Windows 7 & 8.1, and Windows Embedded
- Customer can use any antenna without requiring re-certification

## Advantages

- Fast incorporation of Verizon and other cellular access without certification cost
- Eliminates the need for chip-down modem development
- Allows compact device layout
- Requires no software development on Linux and just addition of a USB driver on Windows

# Technical Specifications

NL-AB-MPCIE

<b>Compatible Products</b>	All Skywire modems, except for NL-SW-HSPA
<b>Communication Type</b>	USB
<b>Current Consumption</b>	Sleep mode: 1.1mA Normal: 720mA - 1.5A Active call: 3.3V
<b>Temperature Range</b>	Operating and storage temperature -40C to +85
<b>Dimensions</b>	33mm x 34mm x 12mm



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