



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Mini-PCI Express Adapter Board



## Product Brief

Part Numbers	Description
NL-AB-MPCIE	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.

## 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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