

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[®] 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

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



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