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® 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

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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