

Mini-PCI Express Adapter Board

NimbeLink's Mini-PCI Express Adapter Board is designed to let product developers add 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.

The Mini-PCIe Adapter Board accepts all of NimbeLink's Skywire end-device certified modems using the same Skywire Interface. 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

- Easily add LTE to embedded designs with an mPCIe interface
- Accept any Skywire modem using the Standard Skywire interface
- 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

- Incorporate certified modems and skip the carrier certification costs
- Eliminates the need for module or chip-down modem development
- Allows compact device layout
- Most OS require minimal software effort to integrate



Part Number

NL-AB-MPCIE2-H

Description

Mini-PCI Express Half Size adapter board for all Skywire modems except the NL-SWN-LTE-NRF9160

Technical Specifications (NL-AB-MPCIE2-H)

Hardware	
Form Factor	Skywire Interface
Dimensions	33mm x 34mm x 12mm
Weight	5 Grams
Power	
Supply Voltage	2.8 - 3.6V
I/O Voltage	3.3V
Interfaces	
Type	mPCIe USB
Approvals	
Compliance	RoHS compliant
Temperature Range	
Industrial Grade	-40°C to +85°C
Support and Warranty	
	1 Year standard warranty

About NimbeLink

NimbeLink is the world's most trusted partner for cellular solutions for the Industrial Internet of Things (IIoT). The Skywire® series of cellular embedded modems, enable dramatic reduction in development and time-to-market. NimbeLink also develops and markets complete, highly configurable edge-to-enterprise Asset-Tracking Solutions.

For more information, visit [NimbeLink.com](https://www.nimbelink.com)

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