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-MPCI

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