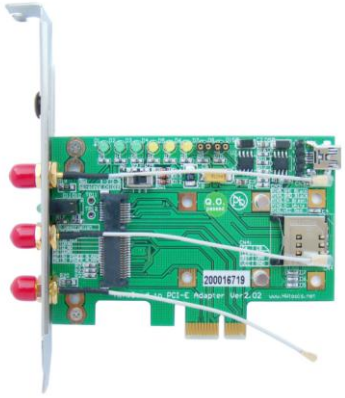
Mini PCI-E to PCI-E Adapter
User's Manual

Preliminary

Model: MP2A

FAE2009MP2A_04

July 2009



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1.0 Introduction

The MP2A passive adapter is designed for desktop PCs that convert Mini-Card to USB port or standard PCI-Express 1x slot.
You can insert your USB type minicard to this adapter then plug to USB port through USB cable.
Or insert your PCI-E type mini-card into this adapter then insert to PCI-E 1x connector.

2.0 Interface

Mini PCI-E to PCI-E Adapter as shown,

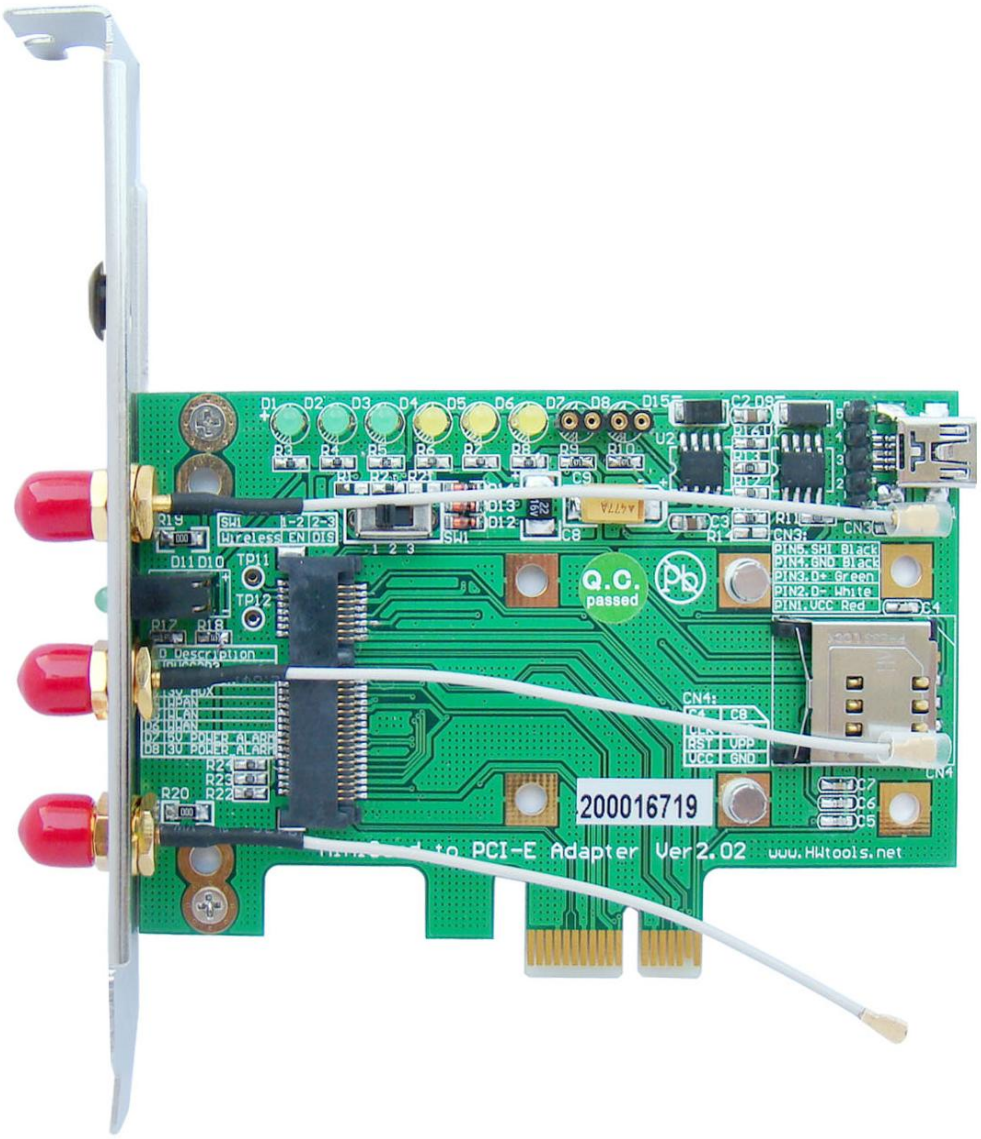

Figure-1 Mini PCI-E to PCI-E Adapter (heads)

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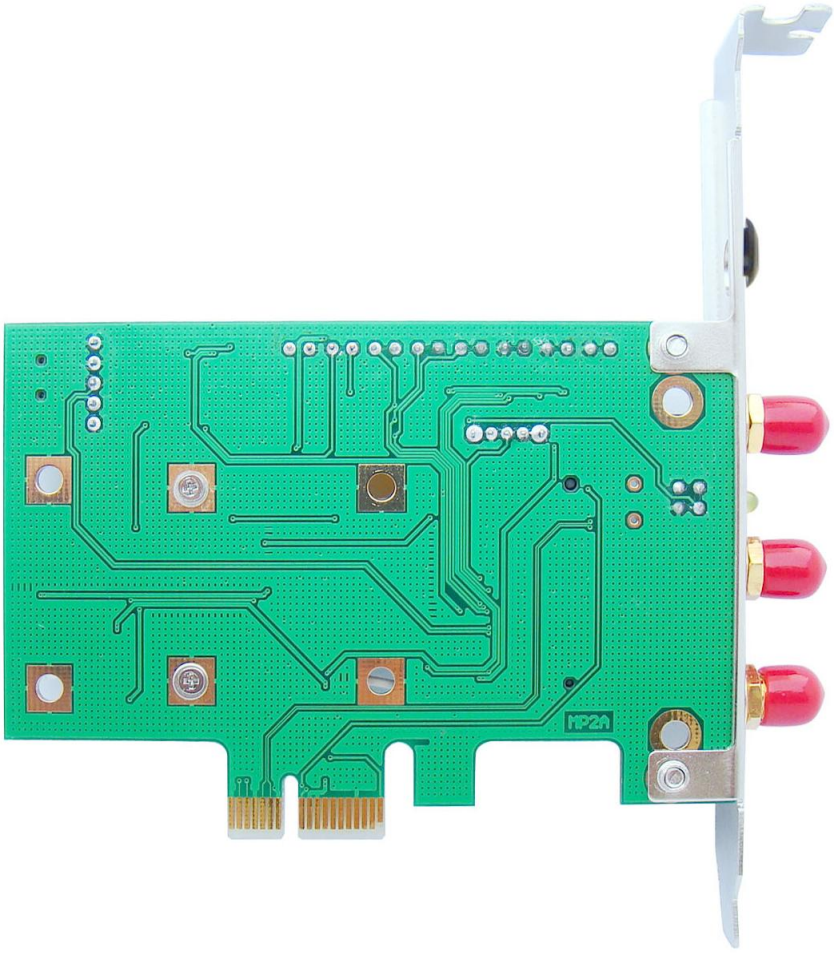

Figure-2 Mini PCI-E to PCI-E Adapter (back)

LED State:

1. D4(LED Green)

When PC is in energetic status and not turn on, plug MP2A into PCIE slot of MB. Now, if D4 is on, it shows normal working status. If not, the user needs to check the PCI-E slot and MB ok or not.

2. When the user plugs MP2A into PCI-E slot and turn on the pc, LED D1,D3 and D10 are all on. If not, it shows the power is not normal.

3. When the user plugs MP2A into MB through USB cable line and turn on the pc, LED (Green) D1, D2, D3 and D10 are all on. If not, it shows the power is not normal.

4. When the user plugs mini PCI-E card into MP2A and turn on the pc, LED

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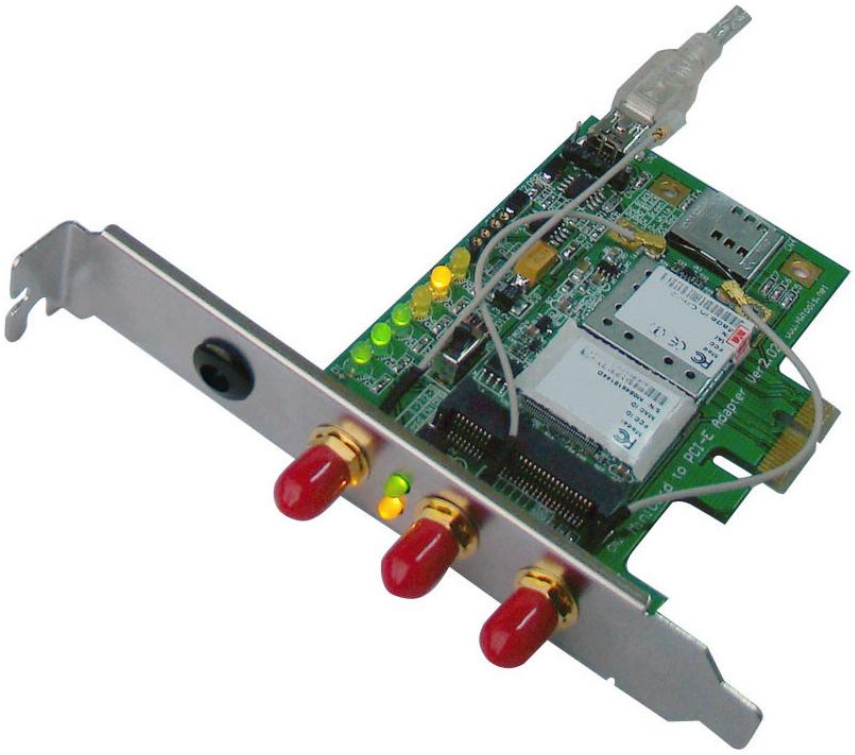
(Yellow) D11, D4, D5 and D6 will show different light status. Please reference the below table,

TABLE1: Recommended Use for LED Indicators by Wireless Classes

LED state	D4, D11（W-PAN）	D5, D11(W-LAN)	D6,D11(W-WAN)
OFF	Not powered	Not powered	Not powered
ON	Powered; ready to transmit or receive	Powered, associated, and authenticated but not transmitting or receiving	Powered, associated, and authenticated but not transmitting or receiving
Slow Blink	N/A	Powered but not associated or authenticated; searching	Powered but not associated or authenticated; searching
Intermittent Blink	Activity proportional to transmitting/receiving speed	Activity proportional to transmitting/receiving speed	Activity proportional to transmitting/receiving speed For voice applications, turning off and on the intermittent blink based on the ring pulse cycle can indicate a ring event

D5, D11 (W-LAN)



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D6, D11 (W-WAN)

3.0 Features

Allow user to test PCI Express Mini modules with the PCI Express slot or USB port.

Supports two primary system bus interface includes PCI Express and USB.

Support all of Mini-Cards such as Turbo memory, 3G, CDMA, WLAN, WWLAN, HSPA MODEM Mini Card to desktop PC.

Support SIM card connector.

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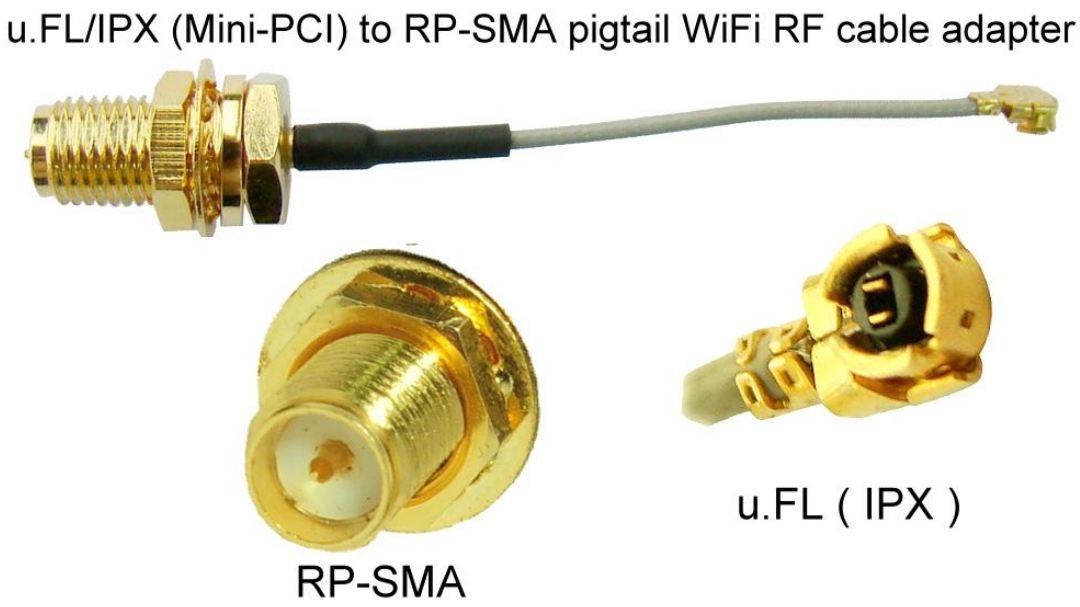
4.0 Package contents

- Mini PCI-E / PCI-E adapter x1
- Accessory: USB cable x1

- Accessory: IPX to RP-SMA cable x3



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- USB DuPont 5PIN to DuPont 5PIN cable x1

- Low profile PCI express bracket x1
- Standard Height PCI express bracket x1(Default)

5.0 System requirement

- PCI-Express 1x slot or USB port
- Windows 2000, XP, Vista 32/64
- Linux

6.0 Installation procedure

MP2A supports two kinds of cards, which includes Half-Mini Card, Full-Mini Card.

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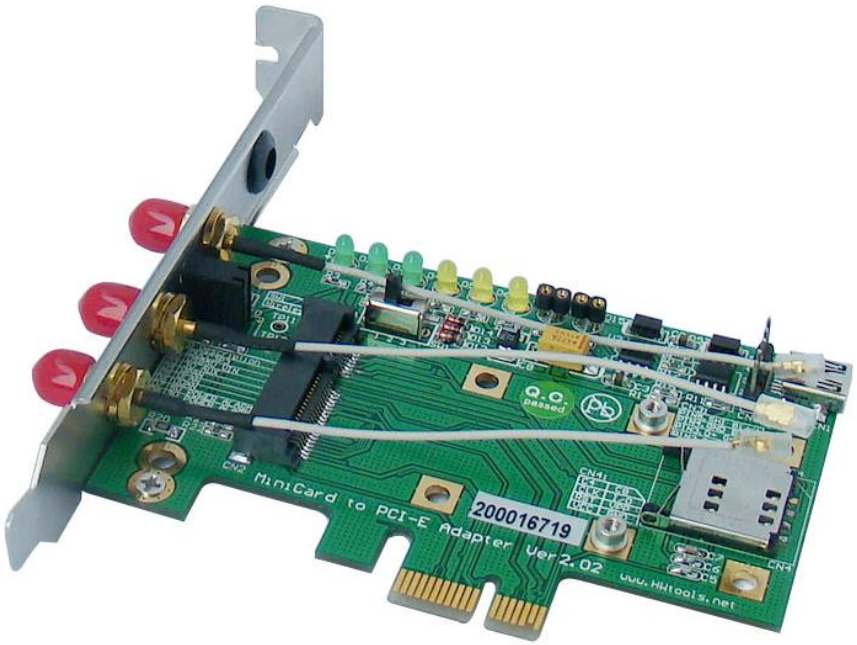
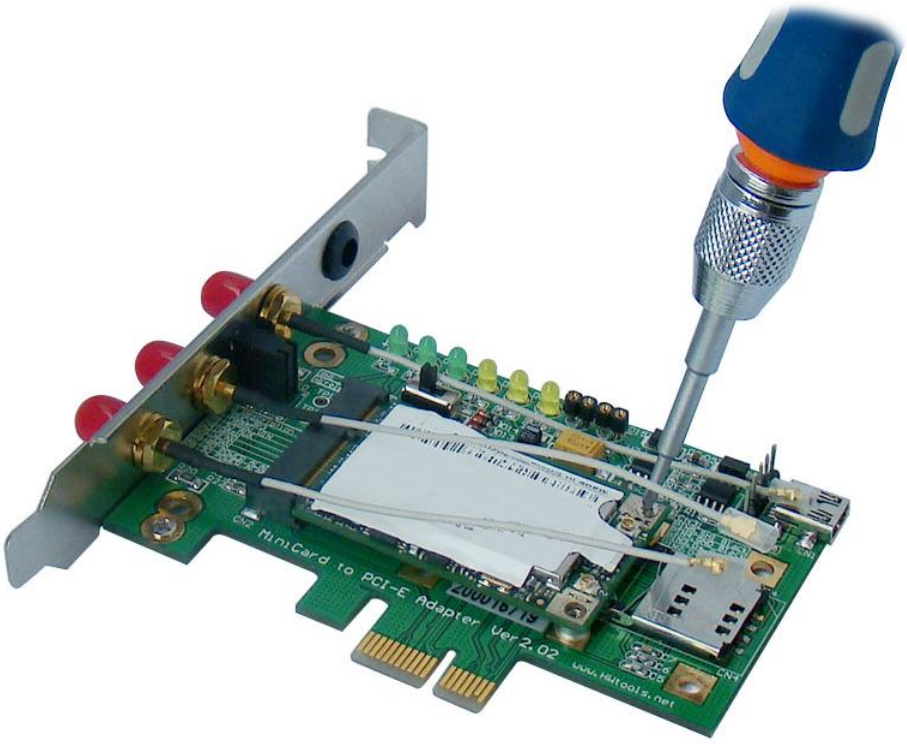
Desktop PC Application _ Wireless LAN Card

1) Remove the caps on the two posts,



2) Plug mini card device such as wireless LAN card into mini PCI-E connector. The other side should be fixed by two screws.



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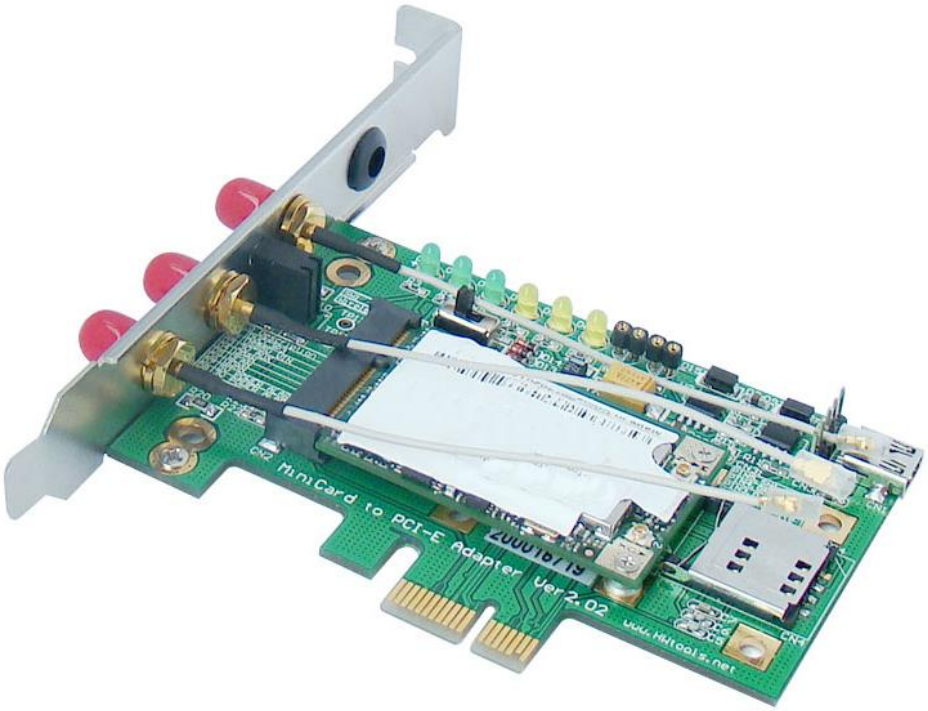
3) Please ensure fix the antenna IPX CONN on mini card exactly.



4) Put the wireless antenna on the RP-SMA CONN.

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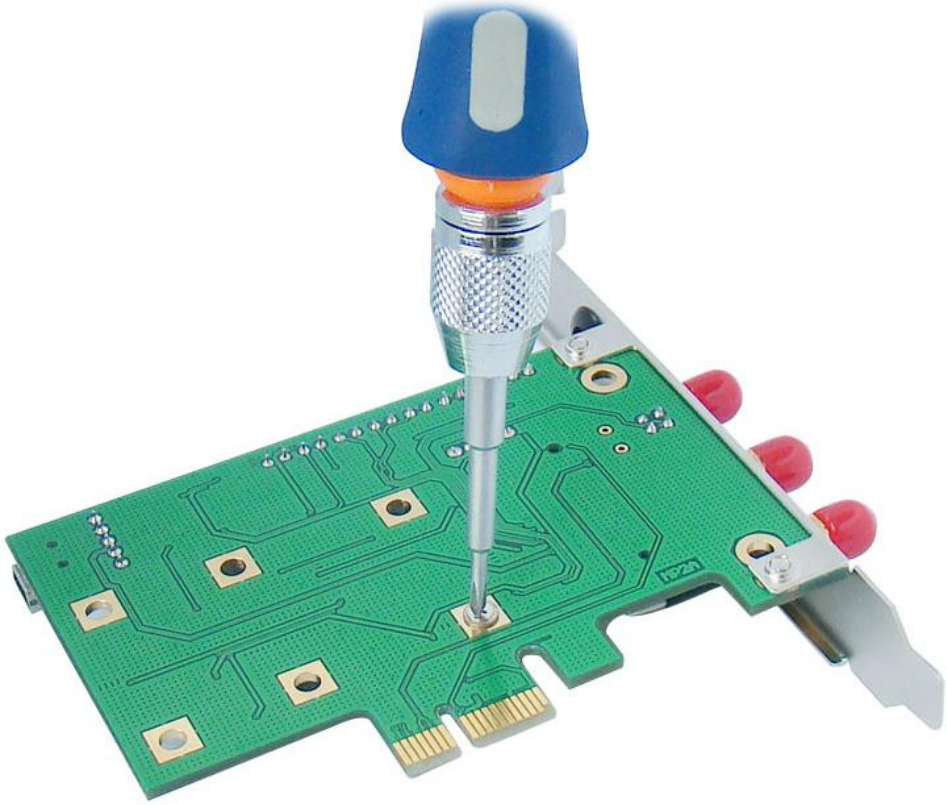
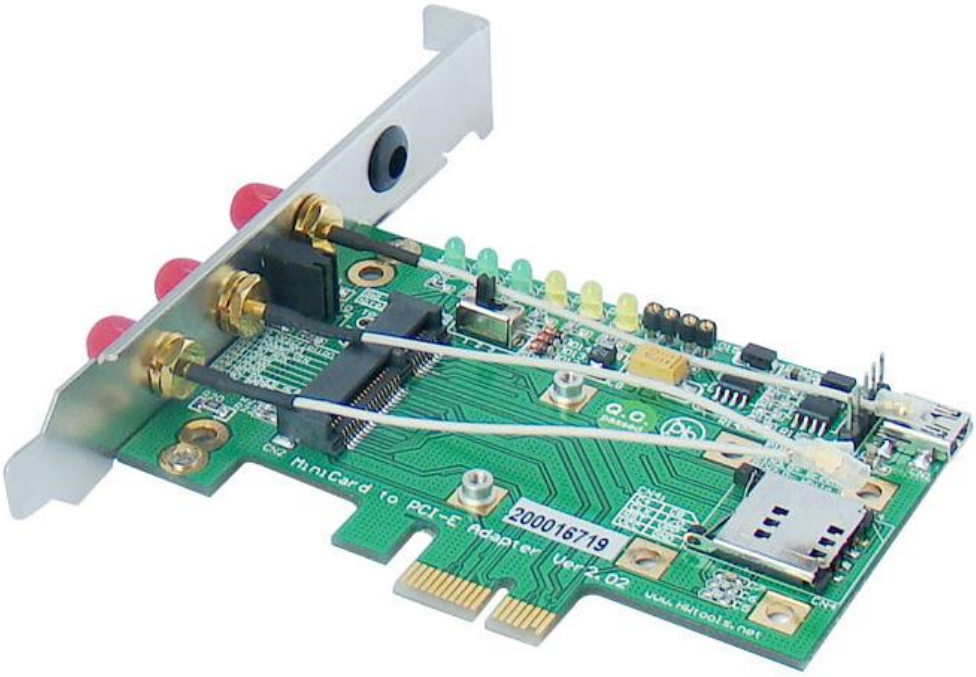
5) Before the user plugs PCI-E connector into PC M/B, please ensure cut off the PC power firstly, then continue plug-in. Finally, please ensure USB cable line or DuPont 5P to 5P cable line connect OK.

For other kind of card, the user needs to change the post position





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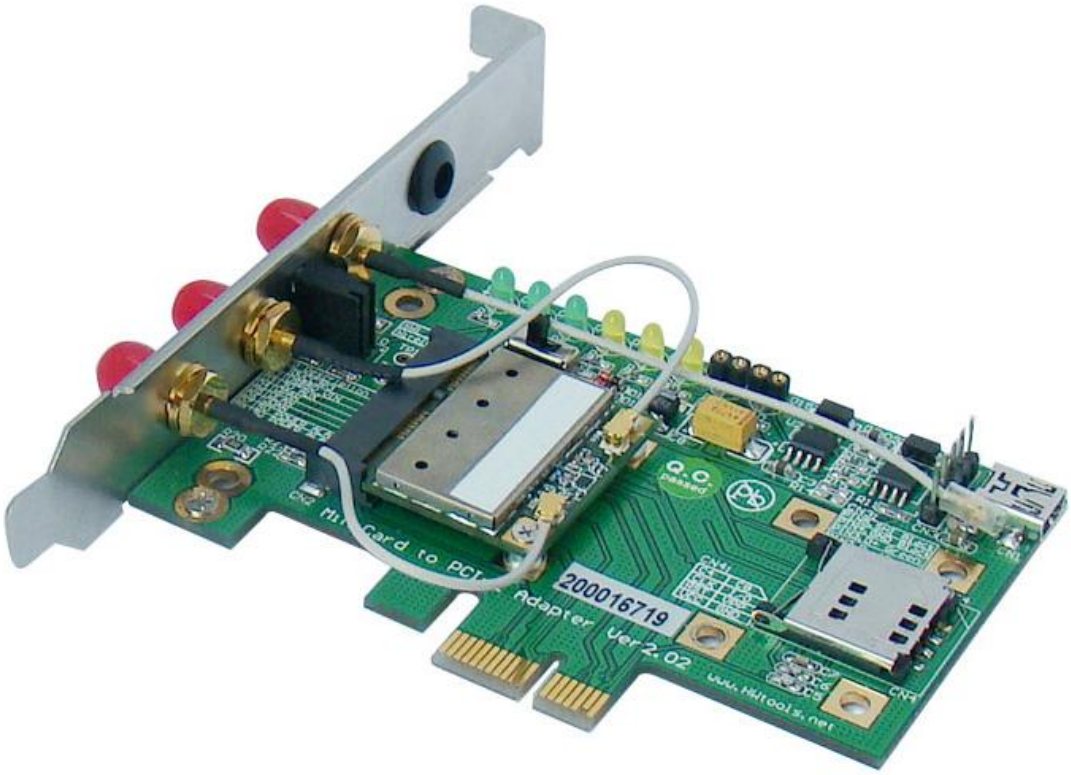

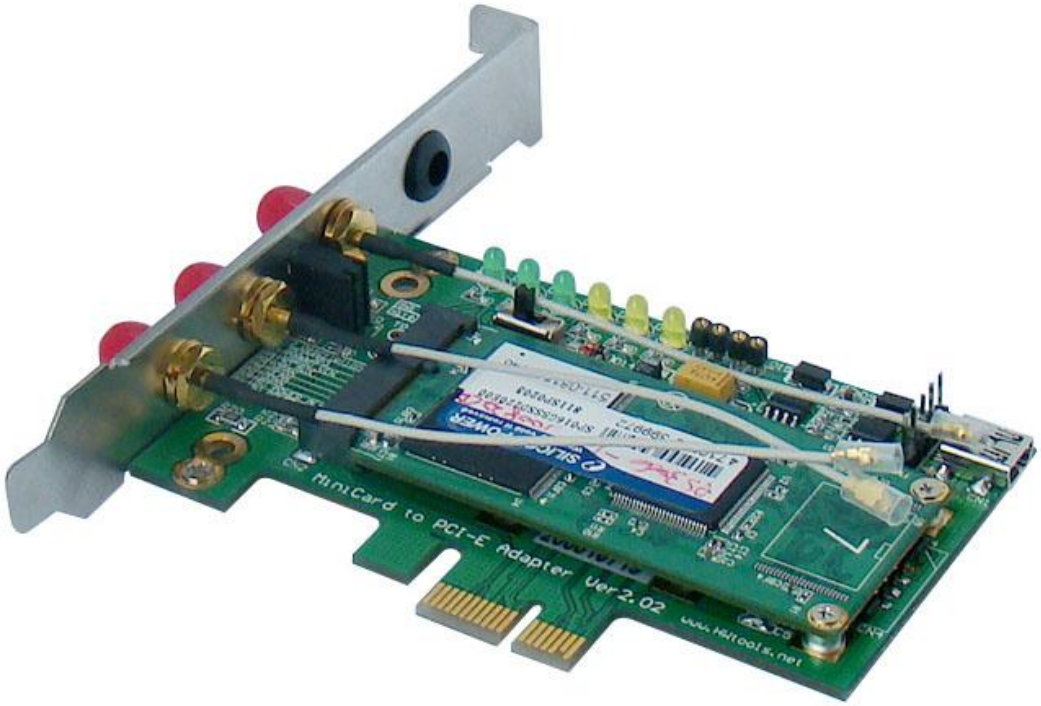

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Attention:

1. ***Do not deal with it when energized, incorrect approach will lead to product damage.***
2. ***Accessories include ONE pcs USB cable line and ONE pcs DuPont 5P to 5P cable line. They CANNOT be used at the same time.***
3. ***The support style of mini card decides the installation position for MP2A. If your card supports PCI-E mode, please plug MP2A into PCI-E slot. Or it supports USB mode, then MP2A should be connected by cable line rather than PCI-E slot connect.***

PCI-E Mode

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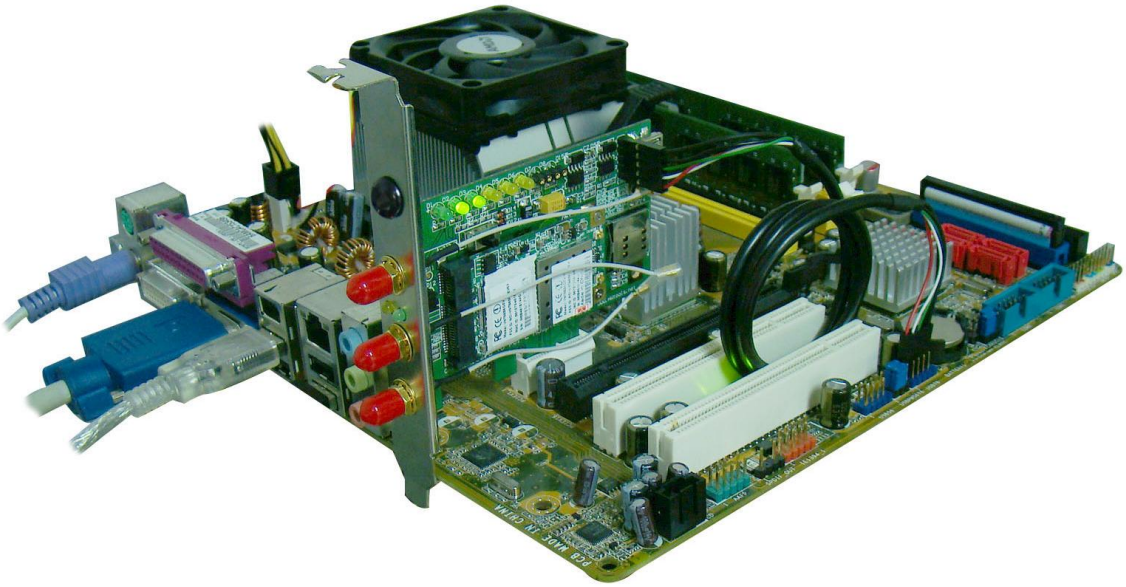
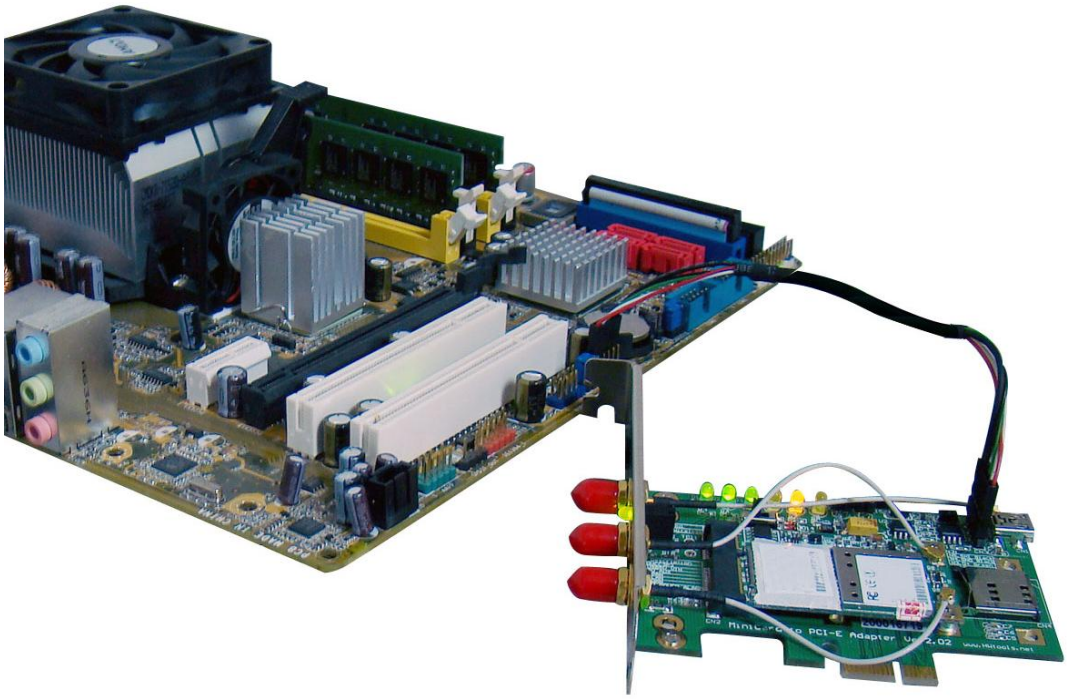
Mixed Mode



USB Mode



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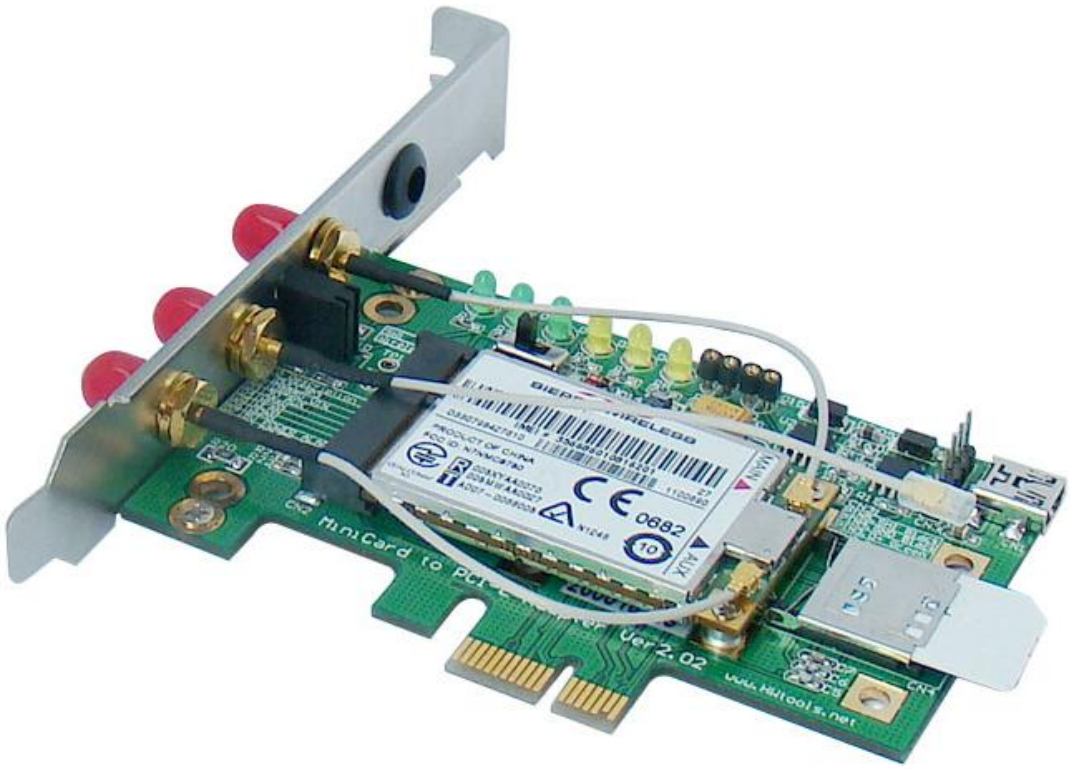
● Desktop PC Application _ 3G SIM Card

1. Plug 3G SIM card into SIM slot.
2. Install HSDPA module of Mini PCI-E slot ok and fix antenna ok.



3. Before plug MP2A into PCI-E slot, please ensure cut off the PC power firstly. Then, connect USB cable line or DuPont 5P to 5P cable line ok.

Attention:

1. ***Do not deal with it when energized, incorrect approach will lead to product damage.***
2. ***Accessories include ONE pcs USB cable line and ONE pcs DuPont 5P to 5P cable line. They CANNOT be used at the same time.***
3. ***It performs successfully by running HSDPA module***

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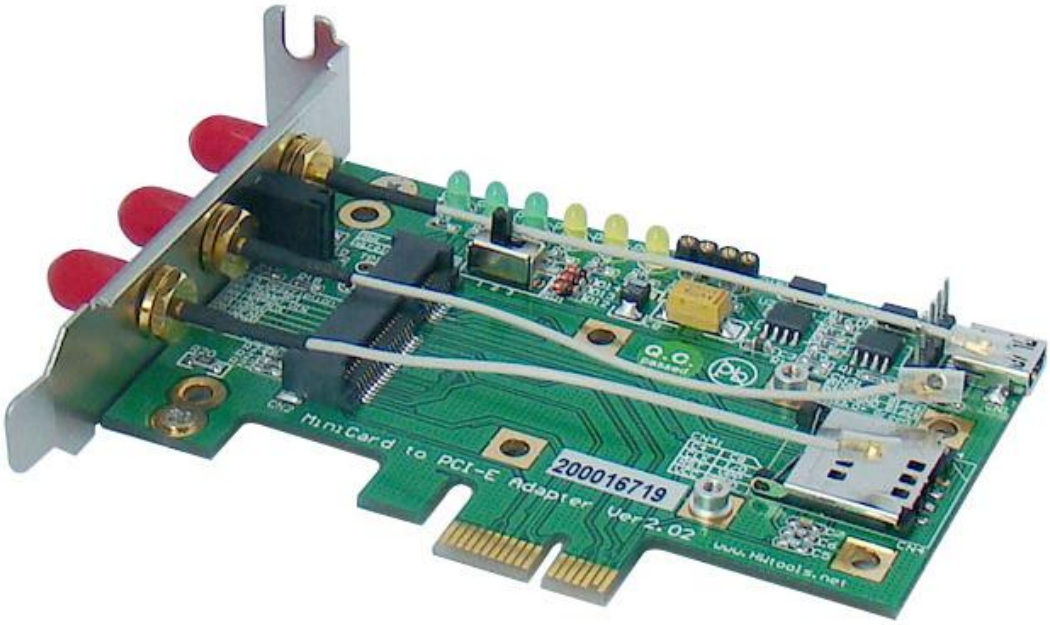
program.

Also, we provide the other kind of bracket. The Low profile PCI Express bracket may fix your small PC M/B.



7.0 Caution

Before PCI-E mode performs, please cut off the PC power, also as the same to the remove. The incorrect action will lead to product damage.

All products specifications are subject to change without notice.

Bplus reserves the right to modify the products in its line during the course of the year.

8.0 Maintenance

There is no guarantee while PC power is on and MP2A is been removing.

Please contact the distributer for more details.

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