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

Model: MP1

FAE2009MP1_02

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1.0   Introduction

The Mini PCI-E to PCI-E Adapter is designed for desktop PC that converts PCI Express Mini Card to USB and standard PCI-Express 1x slot.

This adapter allows you to use your existing PCI-E slot or USB port of your M/B.

It includes mini PCI-E connector and Mini-USB port access styles.

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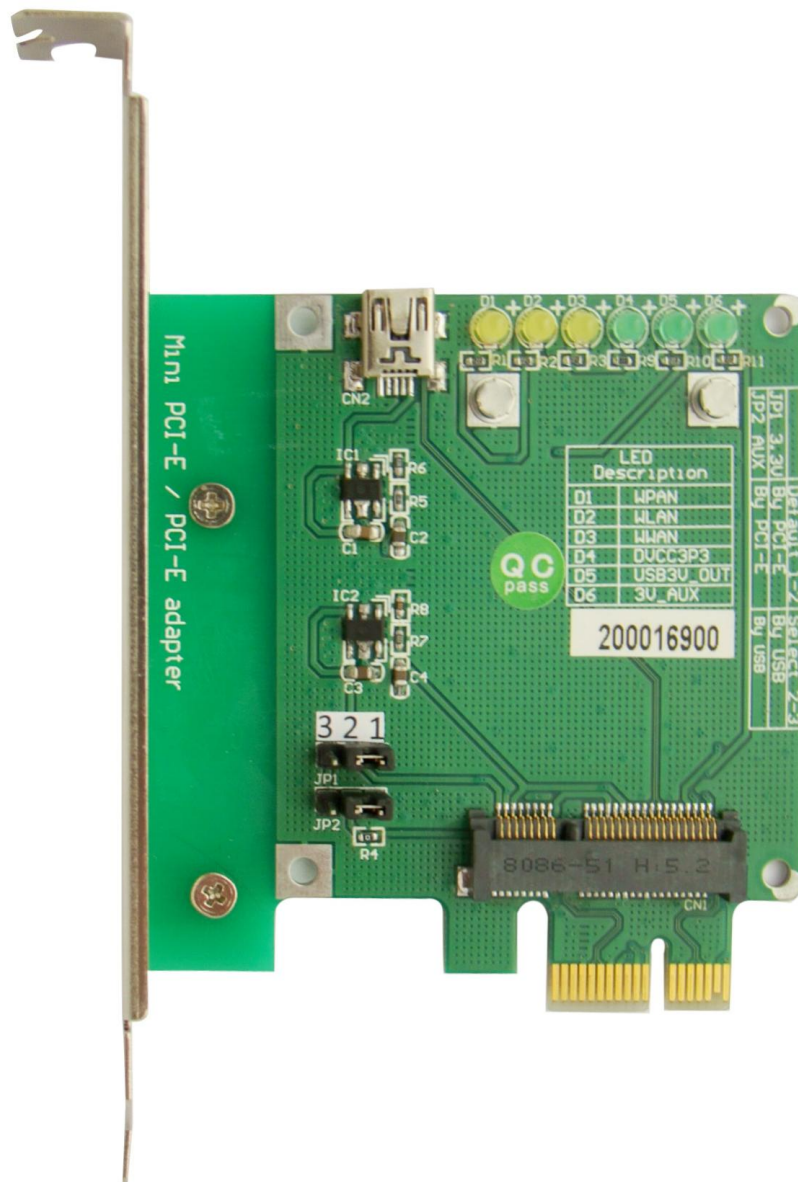
Mini PCI-E to PCI-E Adapter as shown,

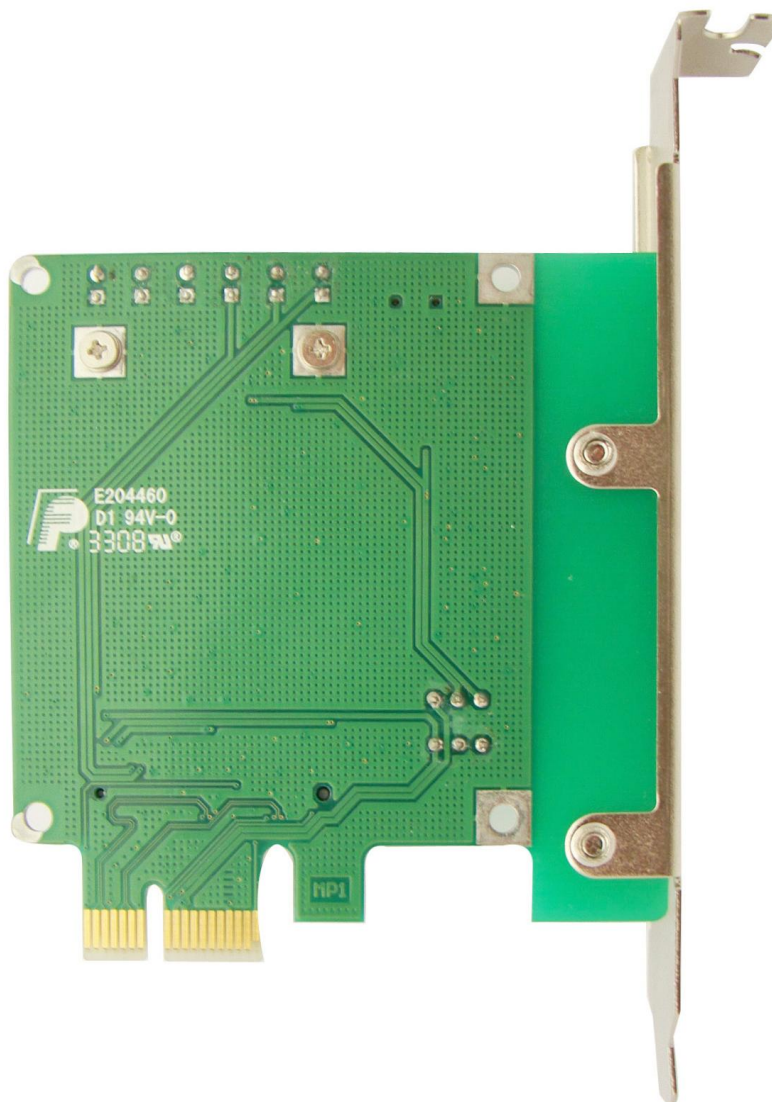Figure-1   Mini PCI-E to PCI-E Adapter (heads)

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

Figure Description

LED state	W-PAN	W-LAN	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	Powered but not associated or

		authenticated; searching	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

TAB-1

TAB-1 defines the recommended use for LED station for each of the three wireless classes. (W-PAN/W-LAN/W-WAN)

LED state:

1. D1(W-PAN):

When the user plugs W-PAN (Wireless-Personal Area Network) device such as Bluetooth, short-distance wireless card into Mini PCI-E interface, this LED shows different station.

More details, please reference TAB-1.

2. D2(W-LAN):

When the user plugs W-LAN (Wireless-Local Area Network) device such as wireless LAN mini card into Mini PCI-E interface and it performs, this LED shows different state.

More details, please reference TAB-1.

3. D3(W-WAN):

When the user plugs W-WAN (Wireless-Wide Area Network) device such as wireless mini card into mini PCI-E interface, this LED shows different state.

More details, please reference TAB-1.

4. D4: Power Indicator

This LED defines the power status. It will be on only when the PC is power on.

5. D5:

This LED defines the power status. It will be on until mini-USB connector function performs and powers on. That is, it is not available when the PCI-E function performs.

6. D6: AUX Power Indicator

This LED defines the AUX power status. When the PCI-E function performs, it will be on at any occasion that includes power-off and power-down mode.

3.0 Features

Allows user to test PCI Express Mini modules on the PCI Express slot or USB port;

Supports two primary system bus interface: PCI Express and USB;
Supports all of mini-Cards such as WLAN, WWLAN, MODEM Mini Card to desktop PC.

4.0 Set up before usage

JP1, JP2 default state: 1-2
JP1, JP2 select state: 2-3

This adapter provides PCI-E and Mini-USB two access styles. The user should set up as below,

1. PCI-E style: set jumper cap on JP1 1-2 , JP2 1-2
2. Mini-USB style: set jumper cap on JP1 2-3, JP2 2-3

5.0 System requirement

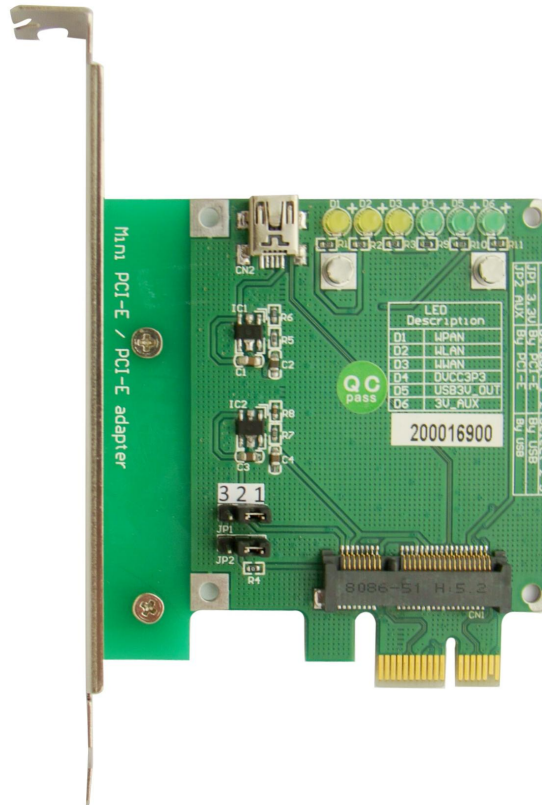PCI-Express 1x slot or USB port
Windows 2000, XP, Vista 32/64
Linux

6.0 Installation procedure

Please check the support style of your wireless mini card and

ensure the working mode of MP1 is same as the support style of

mini card, otherwise Windows CANNOT detect anything.

● PCI-E access style

1) Please check the Jumper cap on JP1 and JP2 firstly, because the incorrect set up will lead to the adapter not work normally.
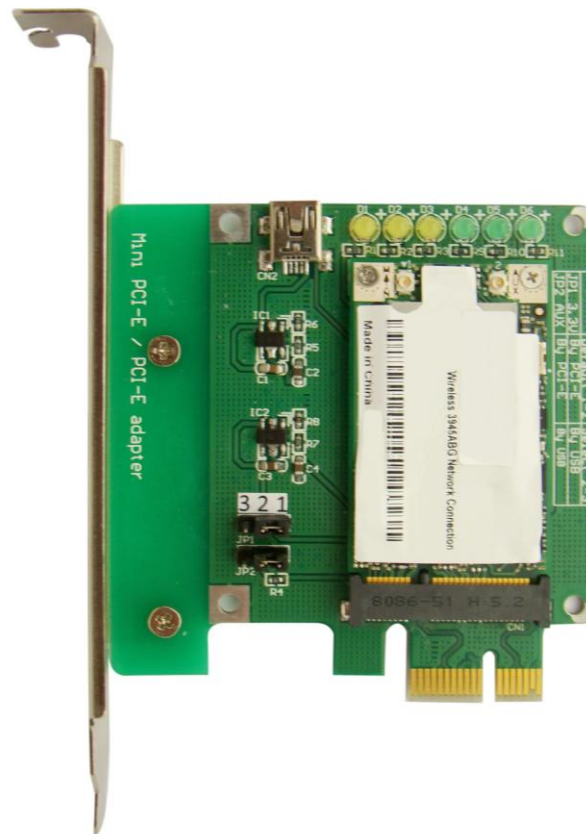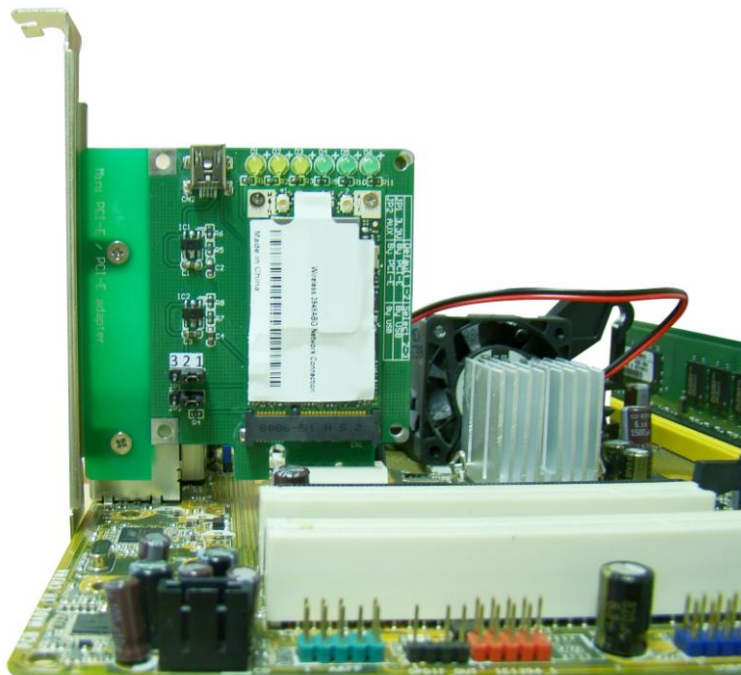

2) Remove the caps on screws,

3) Plug mini card device such as wireless LAN card into mini PCI-E connector, the other side should be fixed by two screws.
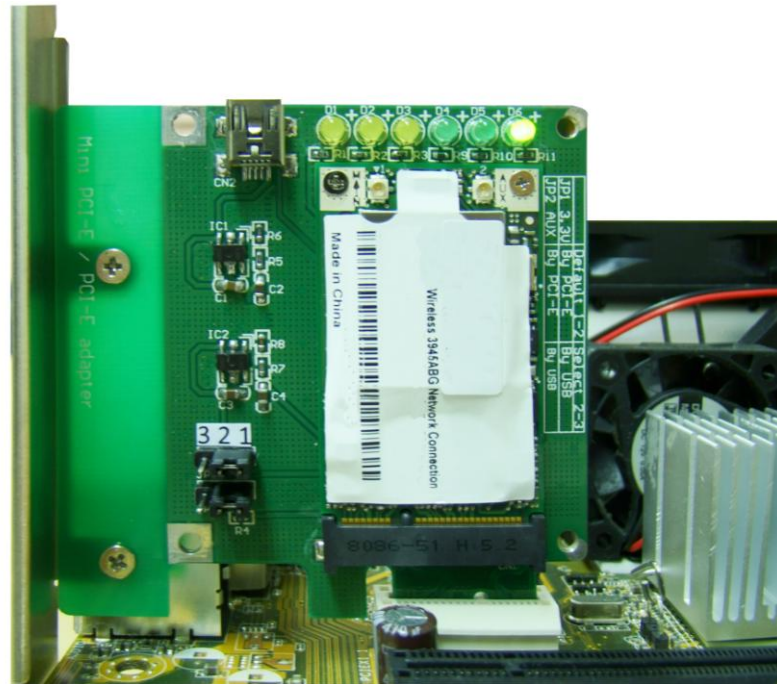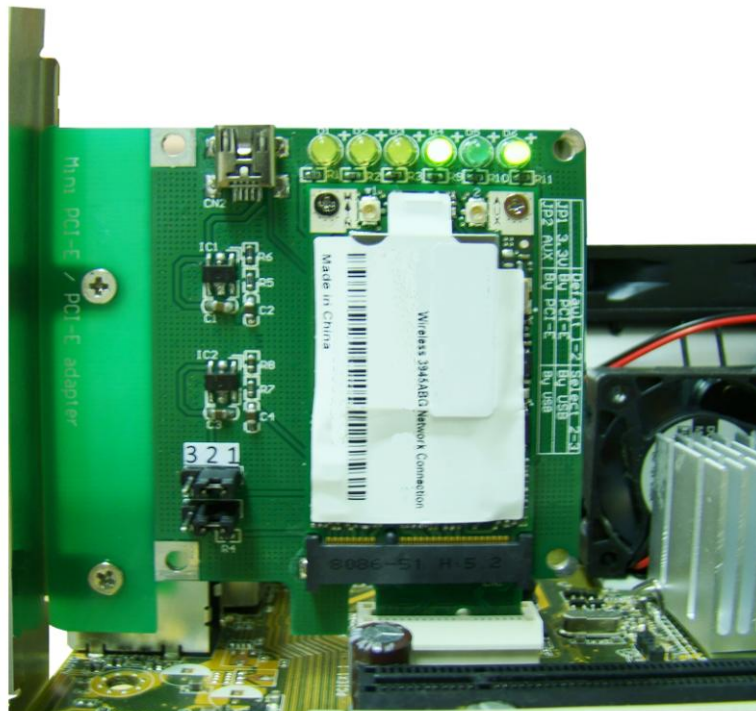
4) Before the user plugs PCI-E connector into PC M/B, please ensure cut off the PC power firstly, then continue plug-in. **Do not deal with it when energized, incorrect approach will lead to product damage.**
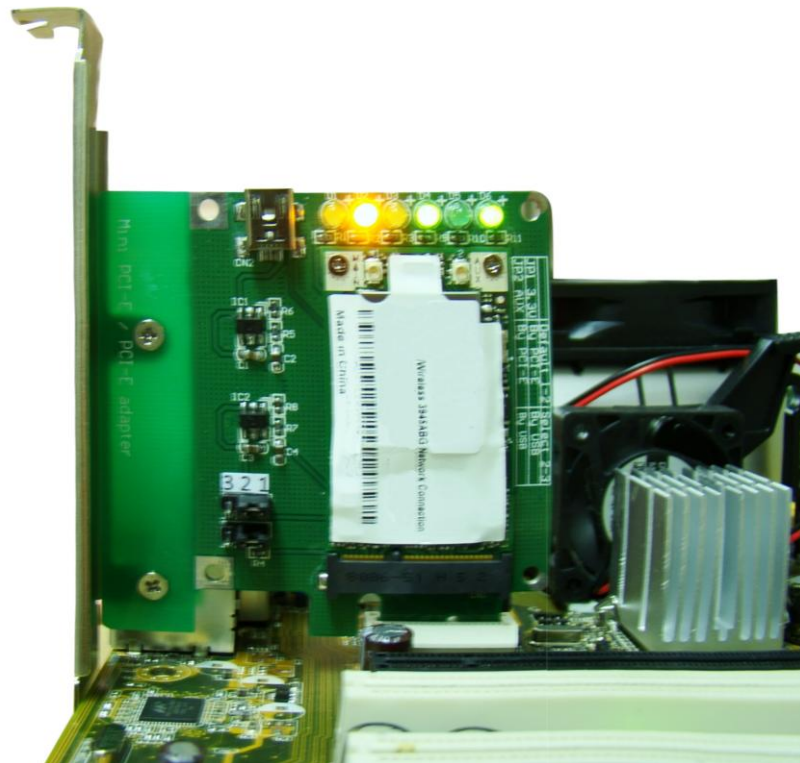
5) When the user plugs Mini PCI-E to PCI-E Adapter into PCI-E slot, LED D6 is on at any occasion.

6) When PCI-E function performs, LED D6 and D4 will be on at the same time.

7) When the wireless LAN card performs, LED D2 will show different state.(reference TAB-1)

8) Power off the PC, then remove Mini PCI-E to PCI-E Adapter and Wireless LAN card.

● Mini USB access style

1) Please check the Jumper cap on JP2 and JP3 firstly, because the incorrect set up will lead to the adapter not work normally.

2) Then, plug the wireless mini card into the Mini-PCIE connector, the other side should be fixed by two screws.

3) Plug one side of cable line into Mini-USB port of this adapter, the other into PC USB slot.

4) Now, before power on the PC, all LEDs are off state.

5) When the user powers on the PC, LED D4 and D5 will be on before driver installation.

6) After the driver installation and unavailable Net, D4 and D5 will be on and D2 will flicker per 3 sec

7) Finally, when net available, D4 and D5 will be on and D2 flickers according to transmitting data.

USB cable line supports plug and play function, it is unnecessary to deal with it on turn-off mode.

Other installation procedure may reference PCI-E access style.

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.

The adapter provides mini USB and PCI-E access styles. Please choose the fit style according to the working mode of mini card.

All products specifications are subject to change without notice.

Aeneas 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 MP1 is been removing.
Please contact the distributer for more details.