

## **EW2400MP - Extended Temperature 802.11n/b/g mini PCI-Express Module Manual**

### **1. Product Overview:**

The EW2400MP is a PCI-Express card that contains an Atheros AR9285 chipset for IEEE 802.11b/g/n Wireless LAN applications. The PCI-Express Card supports key security features like WEP, Wi-Fi Protected Access (WPA), WPA2, TKIP, and AES. Typical application of the card is integration into other wireless products such as AP/ Router which is used distance 20cm away human body.

### **2. Packaging Contents**

The PCI-Express Mini card package contains the following item(s):  
1 x Wireless PCI-Express card

### **3. Installation guide**

- Shut down the power of the platform
- Align the PCI adapter with the PCI-Express socket on the platform
- Adjust and push down the PCI adapter gently until the metal locking levers on the Mini PCI socket is latched. (Please take note that the PCI adapter can only fit in one direction due to the keyed notch. Wrong orientation will cause improper installation and may damage the PCI-Express socket)
- Connect the antenna(s) on the PCI-Express module
- Reboot on the platform
- Install drivers if necessary

### **4. Frequency**

802.11b/g/n: 2412 ~ 2472 MHz

### **5. FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that

interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To comply with FCC part 15 rules in the United States, the system must be professionally installed to ensure compliance with the Part 15 certification. It is the responsibility of the operator and professional installer to ensure that only certified systems are deployed in the United States. The use of the system in any other combination (such as co-located antennas transmitting the same information) is expressly forbidden.

## 6. FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

## 7. FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## 8. Important Notes

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for a population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Although the authorized antenna is a standard connector, there are authentication protocols and prevention error mechanism software in this module. Only the Authorized antenna by module could work together with module.

## 9. Label for end product must include:

This module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following:

"Contains FCC ID: Z9E-EW2400MP" or

"A RF transmitter inside, "Contains FCC ID: Z9E-EW2400MP"