

# MaxR-954 Mini PCI User's Manual

## 1. Product Overview

The MaxR-954 series PCI adapter cards contain an Atheros AR9220 chip for IEEE 802.11a/b/g/n Wireless LAN applications. The mini PCI adapter cards support key security features like Wi-Fi Protected Access (WPA), WPA2, WEP and 802.1x.

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 mini PCI card package contains the following item(s):

1 x Wireless Mini PCI Adapter

## 3. Installation guide

- Shut down the power of the platform
- Align the PCI adapter with the Mini PCI 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 Mini PCI socket)
- Connect the antenna(s) on the mini PCI module
- Reboot on the platform
- Install drivers if necessary

## 4. Frequency

802.11b/g/n: 2412 ~ 2472 MHz

802.11an: 5180 ~ 5240MHz, 5725 ~ 5850MHz

Antenna type: Dipole Antenna

Connector: Reverse SMA PLUG

Antenna Gain: 1.8dBi for 2.4GHz, 3.8dbi for 5GHz

## 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.

## 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.

This device is going to be operated in 5.15~5.25GHz frequency range, it is restricted in indoor environment only.

## 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

The OEM integrator must follow the specific operational requirements for the module installed. Any condition can not met, the FCC ID can't use in the final product.

In these circumstances, OEM integrator should be responsible for re-evaluating the end product (including the transmitter) and obtaining a separation FCC authorization.

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.

9. Label for end product must include  
“Contains FCC ID: XZB-MAXR954” or  
“A RF transmitter inside, FCC ID: XZB-MAXR954”