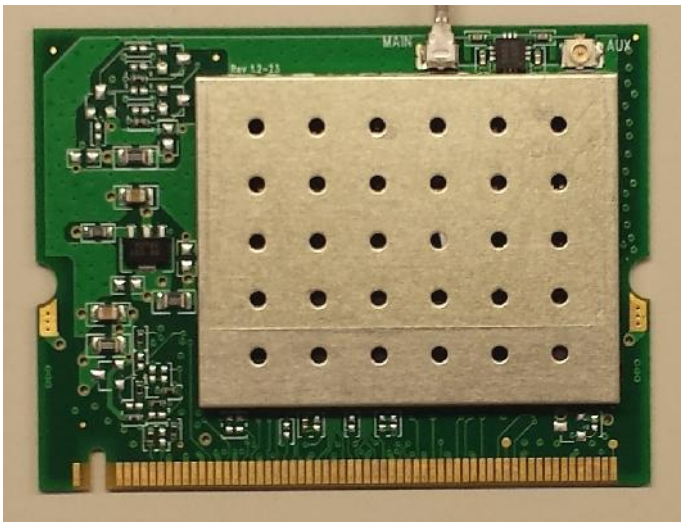
Wireless 802.11 Network Mini PCI Adapter

User Guide



Model: WLM54AG23

REGULATORY COMPLIANCE INFORMATION

The following regulatory agency information is for model WLM54AG23, which includes ZES part number 26998.

RF Notice

Any changes or modifications to Zebra Enterprise Solutions (ZES) equipment not expressly approved by ZES could void the user's authority to operate the equipment.

FCC Compliance Statement

This device complies with Part 15 rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) this device must accept any interference which may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B devices, pursuant to Part 15 of the FCC Rules & Regulations.

Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Labeling

If the FCC and IC identification numbers are not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use the wording such as “Contains FCC ID: XWX-WLM54AG23” and “Contains IC: 8701A-WLM54AG23”. Any similar wording that expresses the same meaning may be used. This mini PCI adapter, P/N 26998, will be only installed in devices produced by Zebra Enterprise Solutions Corp.

RF 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 and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Document Revision History

Revision	Change	Change Description	Date	Initials
A	C02320	Initial Release	12/09/10	HH

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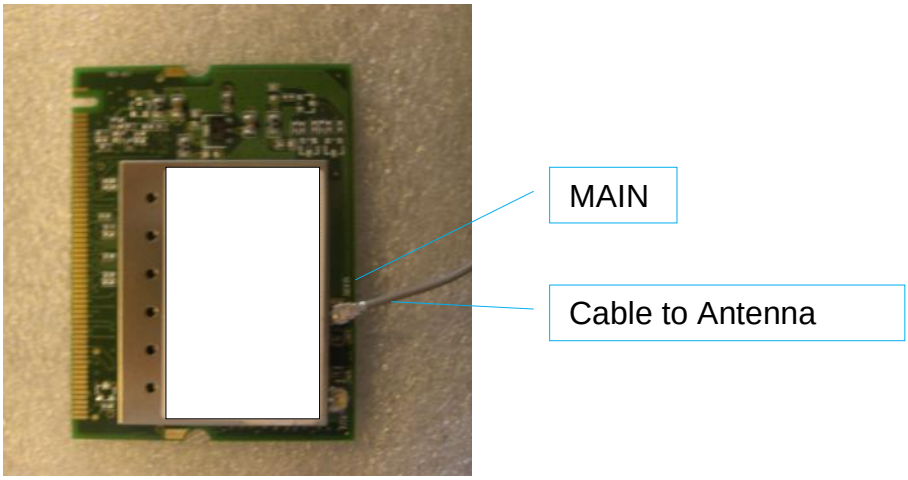
1 INTRODUCTION

This mini PCI adapter is manufactured by Compex Systems. It contains a dual-mode single chip MAC/BB/Radio for IEEE 802.11a, 11g, and 11b Wireless LAN. It can support high-speed data transmission of up to 54 Mbps in the 2.4 GHz and 5 GHz frequency bands based on 802.11b/g and 802.11a mode respectively. **Only 802.11b/g mode is used when the device is installed in ZES products.** This PCI adapter has been originally certified with 2-dBi dipole antenna by Compex. ZES has re-certified this card with FCC and IC for use with higher gain antennas, which are listed in section 3.

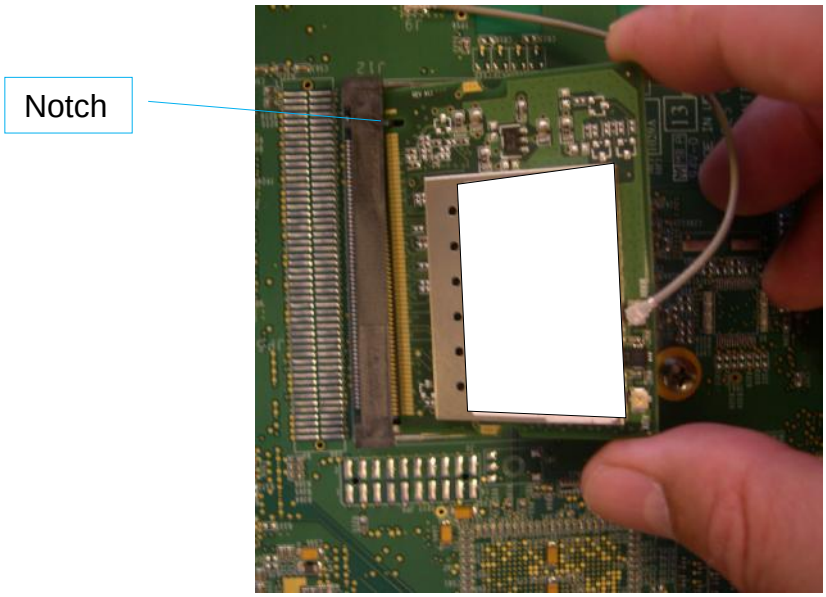
2 INSTALLATION

ATTENTION: The mini PCI card is sensitive to ESD. Perform the following steps in ESD controlled areas and use applicable procedures for handling ESD sensitive devices.

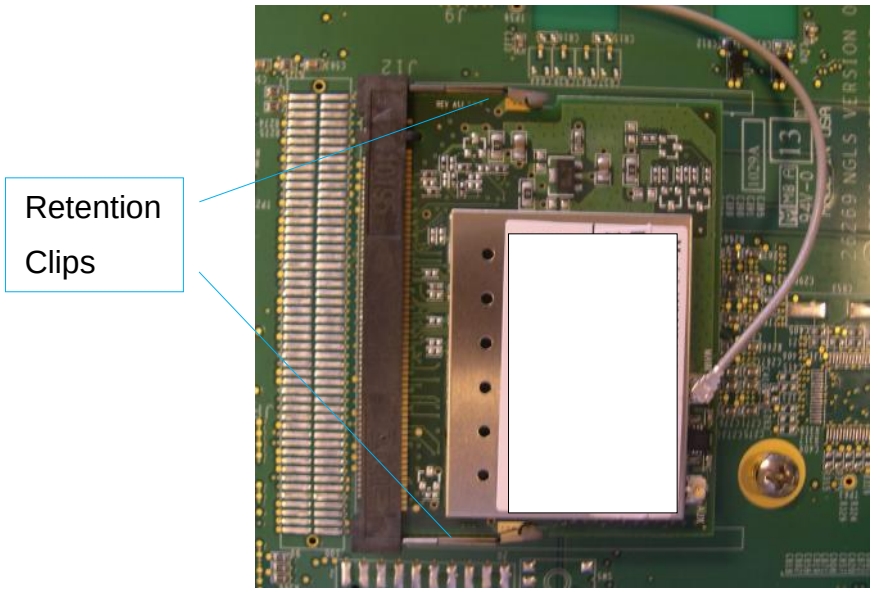
2.1 Ensure that the power to the host equipment is turned off. Connect the antenna cable to connector marked MAIN on the card.



2.2 Align the notched end of the card with the socket. Insert the card into the socket.



2.3 Push the card down until it snaps into the two retention clips.



3 ANTENNA OPTIONS

This mini PCI card has been tested and found to be in compliance when used with the following 2.4 GHz antennas:

3.1 Cisco Aironet 5.2-dBi Dipole Omnidirectional Antenna (P/N AIR-ANT2506)

3.2 Cisco Aironet 2-dBi Dipole Omnidirectional Antenna (P/N AIR-ANT4941)