

### Compex Wireless Mini PCI Adapter

WLM54G 1A  
WLM54G 1B  
WLM54G 1C  
WLM54AG 1A  
WLM54AG 1B  
WLM54AG 1C

WLM54G 6A (RoHS compliant)  
WLM54G 6B (RoHS compliant)  
WLM54G 6C (RoHS compliant)  
WLM54AG 6A (RoHS compliant)  
WLM54AG 6B (RoHS compliant)  
WLM54AG 6C (RoHS compliant)

Version 1.2



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FCCE

Manual Number:  
M-0559-V1.2C  
Version 1.2  
November 2006

## 1. Introduction

Figure 1  
WLM54AG 1A/1B/1C



This mini PCI adapter contains a dual-mode single chip MAC/BB/Radio for IEEE 802.11a or b/g Wireless LAN. Based on the latest industry standard Wi-Fi Certified IEEE 802.11a or b/g specifications, the mini PCI adapter supports key security features like Wi-Fi Protected Access (WPA), WPA2, WEP and 802.1x.

The mini PCI adapter has four variants in its family:

- **WLM54G:** This mini PCI adapter's "G" chipset offers maximum channel speeds of up to 54Mbps in the frequency band of 2.4 GHz based on 802.11b/g.
- **WLM54AG:** This mini PCI adapter's "AG" chipset offers maximum channel speeds of up to 54Mbps in the frequency bands of 2.4 GHz and 5 GHz based on 802.11b/g and 802.11a respectively.

You can find this adapter that is seated inside the wireless products such as the notebook computers or any other devices containing Mini PCI socket. The PCI adapter can be removed from or inserted on the PCBA of the Compex products.

## 2. Packaging Contents

The PCI adapter's retail package contains the following item(s):

- 1 x Wireless Mini PCI adapter

## 3. Application

- 1 Align the PCI adapter to the Mini PCI socket.
- 2 Adjust and push down the PCI adapter gently until the metal-locking levers aside from the Mini PCI socket is fastened. **(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 !).**
- 3 Connect the antenna(s) on the PCI adapter.

### Further Information References

This document may become superseded, in which case you may find its latest version at: <http://www.compex.com.sg>

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Manual Revision by Daniel

Manual Number: **M-0559-V1.2C** Version 1.2, November 2006

**Warning:** 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.

**FCC NOTICE:** This device 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 device generates, uses and can radiate radio frequency energy. 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 device does cause harmful interference to radio or television reception which can be determined by turning the PC off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

**RF exposure warning:**

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 61cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

**Caution:** The device is only for fixed point to point communication.

- Reorient or relocate the receiving antenna.
- Increase the distance between the computer and receiver.
- Connect the computer 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.

**Caution:** Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

**FCC Compliance Statement:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

**ICES 003 Statement**

This Class B digital apparatus complies with Canadian ICES-003.

**DECLARATION OF CONFORMITY:** Compex, Inc. declares that the product:

**Product Name:** Compex Wireless Mini PCI Adapter

**Model No.:** WLM54G 1a, WLM54G 1b, WLM54AG 1a, WLM54AG 1b conforms to the following Product Standards:

**Radiated Emission Standards:** EN55022A, FCC Part 15 Class B

**Conducted Emission Standards:** EN60555Pt2 conducted emission; EN55022A conducted emission, FCC Part 15 Class B

**Immunity Standards:** IEC 801-2; IEC 801-3; IEC 801-4

Therefore, this product is in conformity with the following regional standards: FCC Class B — following the provisions of FCC Part 15 directive; CE Mark — following the provisions of the EC directive.

**Manufacturer's Name** Compex, Inc.

**Address** 840 Columbia Street, Suite B Brea. CA 92821 USA

**Warning:**

1, both of the antenna connectors are effective, but user just can use only one simultaneously. For example, if you connect to one, the other will be disabled.

2, every type of antenna should be used followed the application requirement. It mustn't be used for other frequency range except it does be required. For example, if the antenna is just used for 2.4G, it mustn't be used for 5G.

3, the PCI adapter and antennas must be fixed for point to point communication

4, Informatin to users who will install Compex Wireless Mini PCI Adapter inside antother device: Please note the labelling of outside deives should have such wording "Contains Transmitter Module


FCC ID: TK4-WPMAANTENNA"

**Note:**

For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 482-0332

For purchases outside U.S.A and Canada, please fax to Compex Systems Pte Ltd at (65) 6280-9947

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<b>WARRANTY REGISTRATION CARD</b>		
Register via the Internet at <a href="http://www.cpx.com">http://www.cpx.com</a> or <a href="http://www.compex.com.sg">http://www.compex.com.sg</a>	[M-0088-V2.4C]	
To activate the warranty, please complete this card and return to Compex within ninety (90) days of purchase date.		
Please e-mail this warranty card to <a href="mailto:support@compex.com.sg">support@compex.com.sg</a>		

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Name:		E-mail:	
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