



# Half PCIe MINI CARD WLE200N2

2 x 2 802.11b/g/n Single-band MIMO mini-PCIe

## Superior Performance for Multimedia Networking

WLE200N2 is an 802.11n Single-Band wireless mini pci express Half Mini Card based on Atheros AR9287 chipset. It supports 2T2R (2-stream) function, which provides maximum data rate up to 300Mbps and improves the overall Wi-Fi coverage area.

## Secure Wireless Connection

This Mini PCIe wireless card, WLE200N2, incorporated advanced security encryption, such as WPA, and WPA2, to help prevent users' devices from malicious attacks.

## Features

- Atheros HB97 reference design
- IEEE 802.11n compliant and backward compatible with 802.11b/g
- 2.4GHz Single-band 2 x 2 MIMO spatial multiplexing technique
- Output Power up to 16dBm
- Supports up to 300Mbps physical data rates
- Multi-Country Roaming Supported
- 2 x U.FL Antenna Connector
- Complaint with PCI-Express Mini Card 1.1 Standard
- Enhanced wireless security: WEP, WPA, WPA2
- Support Windows XP/ Vista, Win 7, Android by request

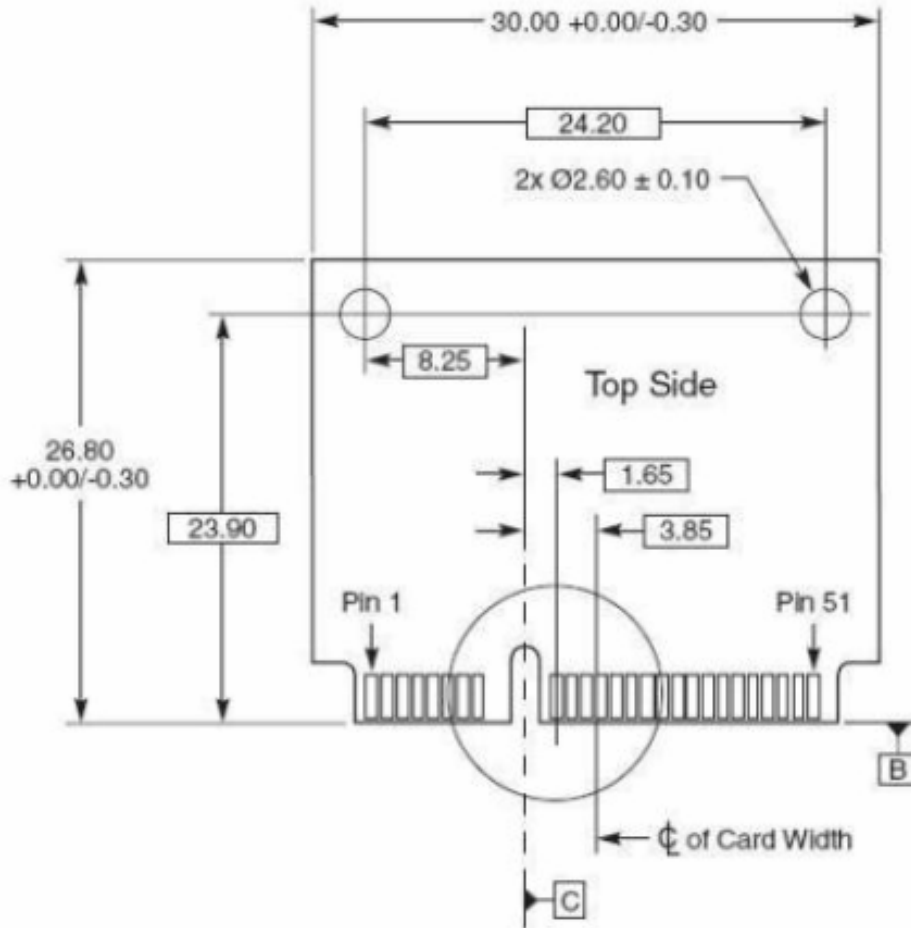
Technical Specifications											
<b>Chipset</b>	AR9287										
<b>Host Interface</b>	PCI-Express 1.1 Standard										
<b>Operating Voltage</b>	DC 3.3 V±9%										
<b>Power Consumption</b>	1.8W-1.9W										
<b>Antenna Connector</b>	2 x U.FL Antenna Connector										
<b>Output Power (2T)</b>	802.11b: 16dBm ± 1.5dBm@11Mbps 802.11g: 11dBm ± 1.5dBm@54Mbps 802.11gn HT20: 12dBm ± 1.5dBm@MCS7 802.11gn HT40: 11dBm ± 1.5dBm@MCS7										
<b>Receive Sensitivity (2R)</b>	802.11b: -88dBm ± 2dBm@11Mbps 802.11g: -70dBm ± 2dBm@54Mbps 802.11gn HT20: -67dBm ± 2dBm@MCS7 802.11gn HT40: -65dBm ± 2dBm@MCS7										
<b>Standards</b>	IEEE 802.11b :	11Mbps	5.5Mbps	2Mbps	1Mbps						
	IEEE 802.11g :	54Mbps	48Mbps	36Mbps	24Mbps	18Mbps	12Mbps	9Mbps	6Mbps	automatically	
	Fallback to 5.5Mbps, 2Mbps, 1Mbps										
	IEEE 802.11n :	20MHZ	1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max.) 2Nss: 130Mbps @ 800GI, 144.4Mbps @ 400GI (Max.)								
		40MHZ	1Nss: 135Mbps @ 800GI, 150Mbps @ 400GI (Max.) 2Nss: 270Mbps @ 800GI, 300Mbps @ 400GI (Max.)								
<b>Frequency Range</b>	IEEE 802.11b/g/n:	2.412GHz ~ 2.462GHz (US & Canada) 2.412GHz ~ 2.472GHz (Europe) 2.412GHz ~ 2.484GHz (Japan)									
<b>Modulation Techniques</b>	OFDM: BPSK, QPSK, 16 QAM, 64QAM DSSS: DBPSK, DQPSK, CCK										
<b>Environment Specifications</b>	Operating: -20°C to 70°C Storage: -40°C to 90°C										
<b>Humidity</b>	5% to 95% (non-condensing)										
<b>Weight</b>	≤9g										
<b>Dimension</b>	30mm x 26.8mm x 3.45mm										

## Ordering Information<sup>①</sup>

Model Code	Chipset	Form Factor	CARD INFORMATION
WLE200N2 6A0000	AR9287	Half Size	802.11 b/g/n PCIe mini card

- ① Configurations are subject to change without notice  
Please contact Compex sales representatives for other available configurations

## DIMENSIONS DRAWING



### Compex Systems Pte Ltd

135 Joo Seng Road, PM Industrial Building #08-01,  
Singapore 368363  
Tel: (65) 6286 2086  
Fax: (65) 6280-9947  
Email: sales@compex.com.sg

### Compex (Suzhou) Co. Ltd

No. 12, ChuangTou Industrial Square, LouFeng North, Suzhou  
Industrial Park, Suzhou, Jiangsu Province, China 21122  
Tel: (86)-512-62950031  
Fax: (86)-512-62950032



Copyright © 2010 Compex Systems. All rights reserved. COMPEX and the COMPEX logo, are registered trademarks of COMPEX Inc. Atheros and other trademarks are properties of their respective owners. While every effort is made to ensure the information accurate, Compex does not accept liability for any errors or mistakes that may arise. All specification is subject to change without notice. DS: V1.0.2 Alex 130517

For more information, visit [www.compex.com.sg](http://www.compex.com.sg)