

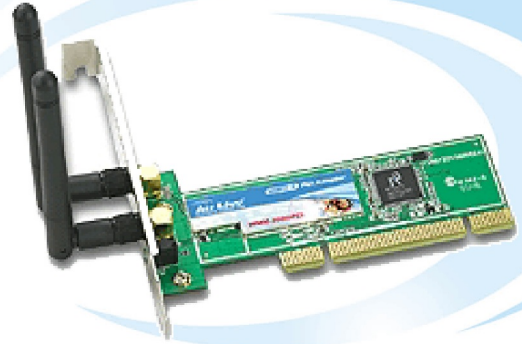


WMM-3000PCI

MIMO-G PCI Adapter

MIMO-G Family

The AirLive MIMO-G family is designed to provide faster speed and wider coverage than standard 802.11 products using MIMO, Turbo-G, and XR Technologies.



MIMO

A smart antenna technology that uses 2 or more antennas to achieve wider wireless coverage and less wireless dead spots. MIMO contains 3 key component technologies to achieve the result

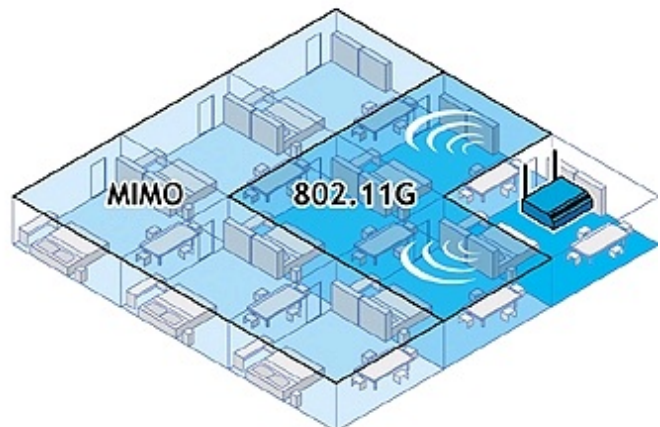
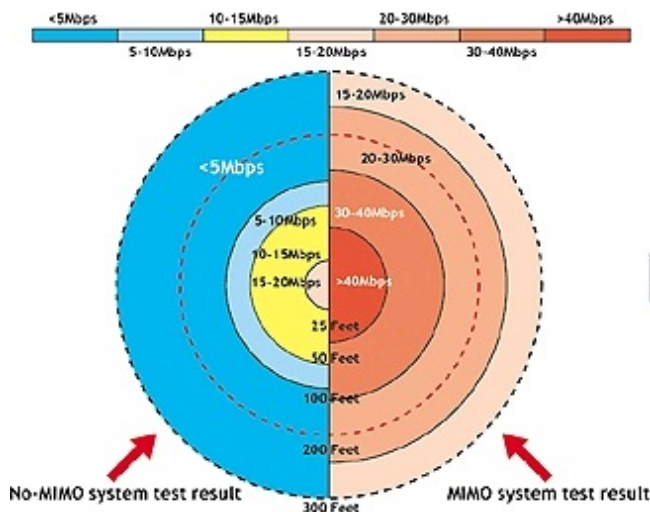
Turbo G

A technology that uses packet-overdrive technique to achieve much faster performance than standard 802.11g device.

XR

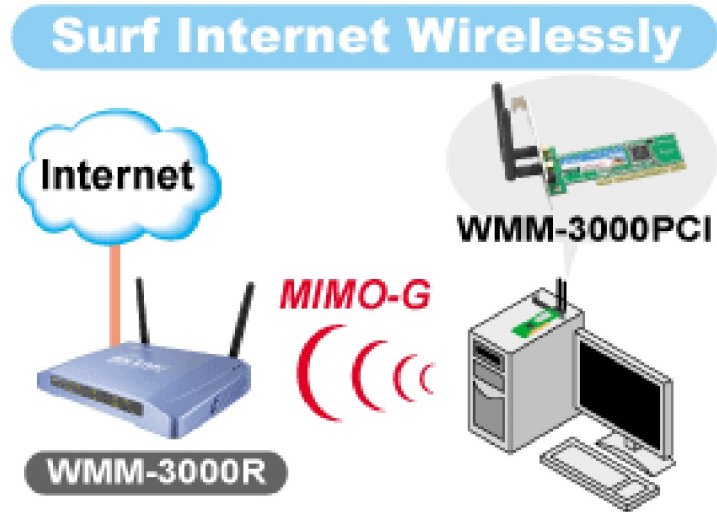
A technology that uses range-overdrive technique to increase the range and reduce wireless dead spots for better overall wireless coverage.

The result is wider coverage and up to 3 times faster speed than standard 802.11g wireless equipment. That means as the distance goes further, the MIMO-G speed will drop slower comparing to non-MIMO solutions. It is fully compatible with 802.11g, 802.11b, and Turbo-G devices. So you don't have to give up your existing wireless equipment.



Linking your Notebook PC to the WLAN network

The WMM-3000PCI is a high performance PCI card for desktop PC. It puts your desktop PC instantly to the wireless LAN network. With the removable SMA connector, you can replace the standard antenna to extend the distance.



WMM and WPA2

The WMM-3000PCI supports 802.11e WMM (Wifi Multimedia) that enables Quality of Service for video and audio applications. security has been always a concern for Enterprise to implement wireless device into their networks. The new WPA/WPA2 encryption standard (Wi-Fi Access Protect) has been developed to strengthen the wireless security for enterprise environment. The Key to WPA is the use of Temporal Key Integrity Protocol (TKIP) to bolster encryption of wireless packets. TKIP provides important data encryption enhancements including a per-packet key mixing function, a message integrity check (MIC), an extended initialization vector (IV) with sequencing rules, and a re-keying mechanism. Through these enhancements, the WPA/WPA2 addresses all WEP's known vulnerabilities. The card also support the standard 64/128-bit WEP encryption.



Specification

INTERFACE

- 32-bit Cardbus Interface

RADIO

- Chipset
 - Ralink Semiconductor
- **Antenna**
 - 2 x Built-in Antennas
 - 2 x 2dBi Dipole Antennas included
- Frequency
 - USA (FCC) 11 Channels:
2.412GHz~2.462GHz
 - Europe (ETSI) 13 Channels:
2.412GHz~2.472GHz
 - Japan (TELEC) 14 Channels:
2.412GHz~2.483GHz
- Modulation
 - 11g Orthogonal Frequency Division Multiplexing (64QAM, 16QAM, QPSK, BPSK)
 - 11b Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
- Output Power
 - 11g
 - 64QAM: 16
 - 16QAM: 16
 - QPSK: 18
 - BPSK: 18
 - 11b
 - DBPSK, DQPSK, CCK: 18
- Receiver Sensitivity
 - -92db at 1Mbps
 - -70db at 54Mbps
- Data Rate
 - 11g mode: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
 - 11b+ mode; 22 Mbps
 - 11b mode; 11, 5.5, 2, 1 Mbps

OS Support

- Win98se/ME/2000/XP

SECURITY

- WEP 64/128-bit
- WPA (Wi-Fi Access Protect), WPA-PSK
- WPA2

Physical

- Dimension: 135mm(L)*120mm
- Weight: 53g

Temperature & Humidity

- Operating 0~55°C 90%
- Storage -20~75°C 20~80%

Ordering Information

AirLive WMM-3000PCI MIMO-G Wireless PCI adapter