

802.11a/b/g Wireless MiniPCI Card



The **WCM6002** is an IEEE802.11a/b/g standard miniPCI card that connects your notebook to a local wireless network. With 802.11a technique, The **WCM6002** can better expand the wireless connection efficiently compared with normal 802.11b/g products.

The **WCM6002** is a very small card that can fit into any notebook, handheld or desktop computer equipped with a Mini PCI (Type III B slot) interface for wireless network applications. It allows you to take full advantage of your notebook's mobility with access to real-time information and online services anytime and anywhere. It slides easily into the MINI PCI expansion slot to enable a wireless connection to your network.

FEATURES

- III-b MiniPCI form factor
- Support 802.11a/b/g
- Complete Security Feature - WEP 64/128, WPA, WPA2, 802.1x and 802.11i
- Cisco CCX V1.0, V2.0 and V3.0 Compliance
- Advanced Quality of Service (QoS) - 802.11e, WMM
- Comprehensive OS support: Win98/SE/ME, Win2000, WinXP, WinCE, Linux, MAC OSX
- Linux AP Driver Available
- WiFi and WHQL Certification

SPECIFICATIONS

Standard	IEEE 802.11b, 802.11g, 802.11a Standard
Host Interface	MiniPCI Interface 1.0
Operating Voltage	3.3V \pm 5%
Power Requirement	Operation at 11g TX: 325mA, RX: 227mA Operation at 11a TX: 389m, RX: 227mA
RF Connector Type	Diversity Coaxial Connector
Frequency Range	2.412GHz ~ 2.4835 GHz 5.15GHz ~ 5.724 GHz 5.725GHz ~ 5.825 GHz
Number of Selectable Channels	USA, Canada (FCC): 23 channels Europe (CE): 32 channels (by region) Japan (TELEC): 14 channels
Modulation Technique	802.11b: Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK) 802.11g/a: Orthogonal Frequency Division Multiplexing (QAM64, QAM16, QPSK, BPSK)

Data Rate	802.11b (11Mbps, 5.5Mbps, 2Mbps, 1Mbps) 802.11g/a (54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps)
Coverage	Indoor: 100 meter Outdoor: 300 meter
Security	Hardware-Based Encryption/Decryption Using WEP 64/128, WPA, WPA2, 802.1x and 802.11i
Output Power	OFDM: 17 dBm (54Mbps/802.11a) (average) OFDM: 17 dBm (54Mbps/802.11g) (average) CCK: 20 dBm (11Mbps/802.11b) (average)
Receiver Sensitivity	-82dBm (11Mbps, 802.11b @ 8% PER, 1024bytes) -67dBm (54Mbps, 802.1g @ 10% PER, 1000bytes) -67dBm (54Mbps, 802.1a @ 10% PER, 1000bytes)
Physical Specifications	Weight: 10g Dimension: 59.75 (L) x 44.6(W) mm
Environment Specifications	Operating Temperature: 0~60°C ambient temperature Storage Temperature: -20~70°C ambient temperature Operating humidity: 90% maximum (non-condensing) Storage humidity: 90% maximum (non-condensing)
EMC Certification	FCC Part 15.247 in US