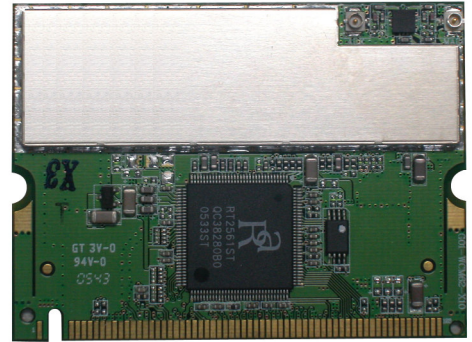


802.11a/b/g Wireless MiniPCI Card



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 5.0, Linux 2.4.x/2.6.x, MAC OSX
- Support Linux AP Driver
- WiFi and WHQL Certification

SPECIFICATIONS

| | |
|--------------------------------------|--|
| Standard | IEEE 802.11a , 802.11b, 802.11g, Standard |
| Host Interface | MiniPCI Interface 1.0 |
| Operating Voltage | 3.3V ± 5% |
| Power Requirement | Operation at 11a TX: 389mA, Operation at 11b TX: 375mA, Operation at 11g TX: 325mA, Idle: 128mA |
| 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) |
| Security | Hardware-Based Encryption/Decryption Using WEP 64/128, WPA, WPA2, 802.1x and 802.11i |
| Output Power | OFDM: 11~13 dBm (54Mbps/802.11a) (average) OFDM: 13~15 dBm (54Mbps/802.11g) (average) CCK: 16~18 dBm (11Mbps/802.11b) (average) |
| Receiver Sensitivity | -65dBm (54Mbps, 802.11a) -80dBm (11Mbps, 802.11b) -65dBm (54Mbps, 802.11g) |
| Physical Specifications | Weight: 12g Dimension: 59.60 (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 EN300328 and EN300826 (EN301489-17) in Europe |

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