



## AT-WCC200G

### Wireless Card Bus Adapter

#### Mobile and Secure

Allied Telesyn's AT-WCC200G Wireless Card BUS Adapter gives mobile users the ability to access networks via laptop PCs and any WiFi LAN access point. Ideal for use at home, business and public wireless hotspots. Security is provided by industry-standard WEP encryption (up to 256-bit) which ensures authorized network access from permit users only.

#### High-Speed Wireless Network Access

The AT-WCC200G is fully compliant with both IEEE802.11g and IEEE802.11b standards, supporting speeds of up to 54Mbps. Suitable for wireless applications that require larger files such as digital images, videos, and MP3 files. Plus, dynamic data rate scaling guarantees the fastest possible connections.

#### Interoperability

Allied Telesyn Inc.'s AT-WCC200G is Wi-Fi certified, guaranteeing interoperability with wireless products from Allied Telesyn or any other Wi-Fi certified vendors, such as Wireless LAN Access Points and client devices. The AT-WCC200G is ideal for users who regularly move between offices, homes and public areas where Wi-Fi LANs are deployed.

#### Key Features

- Compatible with IEEE 802.11g high rate standard with speeds up to 54Mbps
- Backwardly compatible with IEEE802.11b standard
- Dynamic data rate scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- Automatic data rate switching
- Supports wireless data encryption with 64/128/256-bit WEP standard for security
- Dynamic Channel selection
- Wi-Fi Certified

# AT-WCC200G | Wireless Card Bus Adapter

## Radio Characteristics

### Data Rate with Automatic Fallback

1 6, 9, 12, 24, 36, 48, 54 Mbps for 802.11g and 1, 2, 5.5, and 11 Mbps for 802.11b

### Receiver Sensitivity

54Mbps Typical -73dBm @ 10% PER  
22Mbps Typical -85dBm @ 10% PER  
11Mbps Typical -86dBm @ 10% PER

### Modulation Schemes

802.11b CCK (11 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps);  
802.11g OFDM

### Frequency Range

2400 - 2497 MHz ISM band (channels 1 - 14)

### Channel

USA 11  
Europe 13

### Transmit Power

Minimum 15dBm typically @ 802.11b  
Minimum 12dBm typically @ 802.11g

### Standards Capability

IEEE 802.11b  
IEEE 802.11g

### Media Access Protocol

CSMA/CA with ACK

### Antenna

Integrated Microstrip dual diversity antennas

### Security

64/128/256-bits WEP Encryption/Decryption  
Wireless Fidelity Protected Access (WPA)

## LED Status Indicators

Power ON  
OFF  
Link/ACT ON Link  
Blink ACT

## PC Interface

CardBus Type II specification 32bit data bus  
Signaling voltage 3.3V

## Driver Support

Program Utility  
Windows 98(SE)  
Windows 2000  
Windows ME  
Windows XP

## Technical Specifications

### Power Characteristics

Continuous Current Consumption  
480mA typical for receive mode  
650mA typical for transmit mode

### Environmental Specifications

Operating Temp. 0°C to 40°C  
Storage Temp. -20°C to 70°C  
Operating Temp. 10% to 95% no condensation

### Physical Characteristics

Dimensions 118 x 54 x 7 mm (W x H x D)  
Weight 0.08 lb

### Standards Compliance

IEEE Std 802.11b  
IEEE Std 802.11g

### Electrical/Mechanical Approvals

FCC/EN55022 Class B  
VCCI  
CE  
Wi-Fi

## Ordering Information

AT-WCC200G-xxx  
IEEE802.11g Wireless Cardbus Adapter

Where xxx = 001 for single pack  
= 020 for 20pack

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