

AT-WCC201 Series

Wireless Card Bus Adapters



AT-WCC201G

IEEE802.11g, 108Mbps High Speed Wireless CardBus Adapter

Higher Speed and Longer Reach

Allied Telesis' AT-WCC201G equips the mobile users with better access to the wireless network with higher speed and longer reach. With the Super GTM Technology, the connection speed can get up to 108Mbps, double what a normal 802.11g card can give you. It's suitable for wireless applications where delivery of digital images, videos, and MP3 files are required. Dynamic data rate scaling also helps to achieve the fastest possible connections.

Securer

The security on AT-WCC201G backed up by the latest industry compliance WPA and WPA2, and 802.1x authentications ensure that you get the best security measures possible in the market. It guarantees network access from permit users only, and give you a peace of mind that your data will be safe.

Interoperability

Allied Telesis Inc.'s AT-WCC201G is Wi-Fi certified. The certification provides users with the freedom and confidence of choosing Wireless LAN Access Points and client devices, knowing that these products are interoperable with products from other Wi-Fi certified vendors. Customers can use the same AT-WCC201G across multiple environments—in their offices, homes and in public areas where Wi-Fi LANs are deployed. They no longer risk being locked into a single vendor solution.

Key Features

- Compatible with IEEE 802.11g standard with speeds up to 108Mbps data rate for the turbo mode
- Backward 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
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless data encryption with 64/128/152-bit WEP standard for security
- Supports infrastructure networks via Access Point and ad-hoc network via peer-to-peer communication
- Support WPA and WPA2 enhanced security
- Friendly user configuration
- Supports CardBus (32-bit) Type II PC Card

AT-WCC201G | Wireless Card Bus Adapters

Radio Characteristics

Data Rate with Automatic Fallback

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

Receiver Sensitivity

Typical Sensitivity at Which Frame (1000-byte PDUs)
Error Rate = 10%
-87dBm at 6Mbps
-86dBm at 9Mbps
-85dBm at 12Mbps
-83dBm at 18Mbps
-80dBm at 24Mbps
-76dBm at 36Mbps
-71dBm at 48Mbps
-66dBm at 54Mbps

Modulation Schemes

BPSK, QPSK, 16QAM, 64QAM, and OFDM

Frequency Range

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

Operating Channels

USA: 11
Europe: 13

Transmit Output Power

Typical RF Output Power at each Data Rate
+11 ~ 15dBm at 54Mbps
+12 ~ 16dBm at 48Mbps
+13 ~ 17dBm at 36Mbps
+16 ~ 18dBm at 24, 18, 12, 9, and 6Mbps

Standards Capability

IEEE 802.11b
IEEE 802.11g

Media Access Protocol

CSMA/CA with ACK

Antenna

Integrated Printed-PCB antennas

Security

64/128/152-bits WEP Encryption/Decryption with up to four WEP keys
Support EAP-TLS, EAP-TTLS, and EAP-PEAP for 802.1X
Support WPA-PSK, WPA-EAP and Cipher Mode AES and TKIP

LED Status Indicators

Power: ON
OFF
Link: OFF All other status
On Radio on and associated
Blink Radio on and scanning
Flash Radio on and associated and TX/RX data

PC Interface

CardBus Type II specification 32bit data bus
Signaling voltage 3.3V @ +/- 10%

Driver Support

Windows 2000
Windows XP
Windows 2003

All Window Drivers are WHQL Certified.

Technical Specifications

Power Characteristics

Continuous Current Consumption:
390mA at transmit mode
220mA at receive mode
15mA at sleep mode

Environmental Specifications

Operating Temperature: 0 to 55°C
Storage Temperature: -20 to 75°C
Operating Humidity: 10 to 90 % no condensation

Physical Characteristics

Dimensions: 110 x 54 x 5 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
TUV
CE
Ghost
Wi-Fi

Ordering Information

AT-WCC201G-XXX

IEEE802.11g, 108Mbps High-Speed
Wireless Cardbus Adapter

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

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