



AT-WCP200G Wireless PCI Adapter

AT-WCP200G-xxx

IEEE802.11g Wireless PCI Adapter

Secure and wireless for your desktop PCs

Allied Telesyn's AT-WCP200G Wireless PCI Adapter provides PCs with the ability to wirelessly access Local Area networks. Wireless network access saves costly re-wiring and is ideal for residences or offices with frequent adds moves and changes. Security features include industry-standard WEP encryption up to 256-bit, which ensures authorized network access from permit users only, and prevents intrusion or service theft.

High-Speed Wireless Network Access

Allied Telesyn Inc.'s AT-WCP200G is fully compliant with both IEEE802.11g and IEEE802.11b standards, which support speeds of up to 54Mbps. Suitable for wireless applications where delivery of high-bandwidth digital images, videos, and MP3 files are required. Plus, dynamic data rate scaling guarantees the fastest possible connections.

Interoperability

Allied Telesyn Inc.'s AT-WCP200G 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-WCP200G 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
- 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 64/128/256-bit WEP standard for security
- Simple user setup & diagnostics utilities
- Dynamic channel selection
- Available for both Standards and Low-Profile applications
- Wi-Fi Certified

AT-WCP200G | Wireless PCI Adapter

Radio Characteristics

IEEE 802.11g Direct Sequence Spread Spectrum (DSSS)
32-bit PCI interface

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

Wireless LAN Frequency Range

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

Modulation Schemes

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

Media Access Protocol

CSMA/CA with ACK

Transmit Power

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

Channel

USA 11
Europe 13

Antenna

Reverse SMA connector with a detachable antenna

Security

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

LED Status Indicators

Link/ACT ON Link
Blink ACT

PC Interface

PCI 2.2 Bus
Signaling voltage 3.3V/5V

Driver Support

Configuration 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 133 x 121 x 21.6 mm (W x H x D)
Weight 0.12 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-WCP200G-xxx
IEEE802.11g Wireless PCI Adapter

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

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