



AT-WCU200G

Wireless USB2.0 Adapter

Mobility and Security

Carry wireless access in your pocket wherever you go with Allied Telesyn's AT-WCU200G. This sleek, pen-sized adapter is convenient to carry and easy to install. Advanced security features include industry-standard WEP encryption up to 256-bit, WPA, AES, 802.1x and Radius support.

Flexibility and Convenience

The AT-WCU200G is ideal for home, office or on-the-road use. Compatible with both desktop PCs and laptops, it installs externally, with no need to open the computer. Includes a 0.5m long USB cable, letting you conveniently place the device where it provides the best reception. Use the Ad-hoc Mode to connect 802.11b/g-enabled computers, wirelessly sharing files and transferring data.

Easy Installation

The plug-and-play AT-WCU200G is easy to install and remove. Simply plug in to obtain a list of available networks. The AT-WCU200G will conveniently store the list for future use.

Interoperability

Because it is Wi-Fi certified, Allied Telesyn Inc.'s AT-WCU200G is interoperable with any other Wi-Fi-certified Wireless LAN Access Point or client device from Allied Telesyn or other certified vendors. Use the same AT-WCU200G across multiple environments—in the office, at home, or wherever public Wi-Fi LANs are deployed. Don't risk being locked into a single vendor solution.

Key Features

- Compatible with IEEE 802.11g high-rate standard
- Up to 54Mbps data rate
- Backwardly compatible with IEEE802.11b
- Supports 64/128/256-bit WEP Encryption
- Power-saving feature set
- Low power consumption for mobile applications
- USB 2.0 support for data rates up to 12Mbps full speed and 480Mbps high speed
- Ad-hoc (peer-to-peer) and Infrastructure modes
- Full-featured software utility for easy configuration and management
- Superb range and throughput
- WPA (Wireless Protected Area) support
- Wi-Fi Certified

AT-WCU200G | Wireless USB2.0 Adapter

Radio Characteristics

Data Rate with Automatic Fallback

802.11g compliant: 11, 5.5, 2, 1 (DSSS/CCK); 6, 9, 12, 18, 24, 36, 48, 54 (OFDM) Mbps data rates

Receiver Sensitivity

802.11b @ FER<8%

11 Mbps: -85 dBm
5.5 Mbps: -88 dBm
2 Mbps: -91 dBm
1 Mbps: -93 dBm

802.11g @ PER<10%

54 Mbps: -71 dBm
48 Mbps: -73 dBm
36 Mbps: -78 dBm
24 Mbps: -83 dBm
18 Mbps: -85 dBm
12 Mbps: -87 dBm
9 Mbps: -88 dBm
6 Mbps: -90 dBm

Modulation Schemes

802.11b: DSSS
CCK @ 11, 5.5 Mbps
DQPSK @ 2 Mbps
DBPSK @ 1 Mbps

802.11g: OFDM
BPSK @ 6, 9 Mbps
QPSK @ 12, 18 Mbps
16-QAM @ 24, 36 Mbps
64-QAM @ 48, 54 Mbps

Frequency Range

802.11b & g
2.412 ~ 2.462 GHz N. America
2.412 ~ 2.484 GHz Japan
2.412 ~ 2.472 GHz Europe ETSI
2.457 ~ 2.462 GHz Spain
2.457 ~ 2.472 GHz France

Channel

802.11b & g
11: (Ch. 1-11) N. America (AT-WCU200G/NA)
13: (Ch. 1-13) Europe ETSI (AT-WCU200G/EU)
2: (Ch. 10-11) Spain (AT-WCU200G/EU)
4: (Ch. 10-13) France (AT-WCU200G/EU)

Transmit Power

Indoors: 100m (328 ft)
Outdoors: 400m (1312ft)

Standards Capability

IEEE 802.11b
IEEE 802.11g

Media Access Protocol

CSMA/CA with ACK

Antenna

Dual chip antenna

Security

64/128/256-bits WEP, TKIP, AES, 802.1x and WPA

LED Status Indicators

Link: Green — Link established
Act: Blinking Amber — Activity

BUS Interface

Universal Serial Bus (USB 2.0)

Driver Support

Client Manager (Wireless Configuration Utility)
Windows 98(SE)
Windows 2000
Windows ME
Windows XP

Technical Specifications

Power Characteristics

Operating Voltage: 5V +/- 5% I/O supply voltage

Max. Output Power: 19dBm

Power Consumption:

802.11b
Rx: 180 mA
Tx: 350 mA
Sleep: 30mA

802.11g

Rx: 180 mA
Tx: 350 mA
Power Saving: 30mA

Environmental Specifications

Operating temperature: 0 to 55°C
Storage temperature: -20 to 70°C
Operating Humidity: 5 to 90 % no condensation

Physical Characteristics

Dimensions: 80 x 30 x 13 mm (L x W x H)
Weight: 0.05 lbs (25g)

Standards Compliance

IEEE Std 802.11b
IEEE Std 802.11g

Electrical/Mechanical Approvals

FCC/EN55022 Class B
V-Tick
CE
Ghost
Wi-Fi

Ordering Information

AT-WCU200G/XX-yyy

IEEE 802.11g Wireless USB2.0 Adapter

Where XX = NA for North America
= EU for Europe

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

USA Headquarters | 19800 North Creek Parkway | Suite 200 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895

European Headquarters | Via Motta 24 | 6830 Chiasso | Switzerland | T: +41 91 69769.00 | F: +41 91 69769.11

Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830

www.alliedtelesyn.com

© 2005 Allied Telesyn Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-00606-00 Rev. C