

3Com® OfficeConnect® Wireless 108 Mbps 11g USB Adapter

DATA SHEET



- Both desktop and notebook users can enjoy the freedom and convenience of wireless LANs
- High-speed 108 Mbps wireless connections and USB 2.0 support help ensure throughput for high-bandwidth applications
- The latest AES security keeps wireless transmissions private and network resources safe from unauthorized users
- USB Extension cradle and 1-meter cable give users the flexibility to place the USB adapter on a desktop or other horizontal surface

Key Benefits

High-Speed Connectivity

For simple, reliable, high-speed wireless connections for both desktop and notebook users, choose the 3Com® OfficeConnect® Wireless 108 Mbps 11g USB Adapter. Users can access network resources, the Internet, and e-mail at speeds up to 108 Mbps in SuperG mode over secure wireless connections.

Multiple Security Features

To keep wireless connections private, the 108 Mbps 11g USB adapter supports advanced WPA and AES encryption as well as basic WEP encryption. The USB adapter also supports the latest IEEE 802.1X authentication to help protect against unauthorized users.

Simple Installation and Use

Preset defaults make setup and operation easy. Wireless Card Manager software lets an administrator create profiles for mobile users that reflect specific wireless LAN settings for each place they travel: users just select the proper profile and they are configured for connection.

Flexible Operation

The sleek, compact USB adapter offers the flexibility and convenience of USB connections. Hinged antenna and swiveling USB connector allow multiple orientations for flexible positioning and use. The USB extension cradle works with a variety of desktop and notebook designs. Users have a choice of communicating over the WLAN via ad-hoc or infrastructure connectivity modes.

Reliable Connections

Dynamic rate shifting automatically matches the best connection speed in response to physical and traffic conditions so wireless connections stay reliable.

Features

Features	Description
HIGH-SPEED, STANDARDS-BASED CONNECTIVITY	
IEEE 802.11g support	Mobile users enjoy access to network resources at speeds up to 108 Mbps in SuperG Turbo mode over a wide coverage range.
IEEE 802.11b compatibility	High-speed 11g standard also supports 11b networks, preserving existing equipment investments.
Wi-Fi certification and WHQL certification	Help ensure interoperability with Wi-Fi certified products from other vendors. WHQL certification ensures compatibility with Microsoft NOS versions.
MULTIPLE SECURITY FEATURES	
Multiple encryption and authentication schemes	Advanced Encryption Standard (AES), Wi-Fi Protected Access (WPA), and Wired Equivalent Privacy (WEP) encryption protect communications over the wireless LAN and helps ensure that only authorized users access the network.
IEEE 802.1X server authentication	The latest in standards-based wireless security helps ensure that only authorized users access the network.
SIMPLE INSTALLATION AND USE	
Wireless Card Manager	Lets administrators create profiles for each place mobile users travel. Also displays connection status and features simple-to-use diagnostic tools.
Dynamic rate shifting	Keeps network connections continuously available as mobile users roam by automatically matching the best connection speed.
Infrastructure and ad-hoc connection modes	Give users communication flexibility: choose ad-hoc mode for simple two-way transmissions or infrastructure mode for expanded connectivity through an access point.
Hinged antenna and swiveling USB connector	Allow multiple orientations for flexible positioning and use.

Specifications

Minimum System Requirements

Installation CD requires Windows XP or 2000

Bus Type:

USB 2.0

Wireless Chipset:

Atheros AR5523/AR2112

Interfaces

IEEE 802.11g/b Wi-Fi compliant

Drivers/Supported OS

NDIS 5: Windows 2000; NDIS 5.1: Windows XP

Wireless Data Rates

802.11g: 108, 54, 48, 36, 24, 18, 12, 9 and 6 Mbps

802.11b: 11, 5.5, 2 and 1 Mbps

Frequency Band

802.11g/b: 2.4-2.4835 GHz

Modulation Technique

802.11g: DSSS/CCK, OFDM (Orthogonal Frequency Division Multiplexing)

802.11b: DSSS/CCK (Direct Sequence Spread Spectrum/Complementary Code Keying)

Media Access Protocol

CSMA/CA

Operating Channels

1-11 North America, 1-14 Japan, 1-13 Europe ETSI

Operating Range

Obstructed, maximum: 100 meters (328 feet)

Unobstructed, maximum: 400 meters (1,312 feet)

Antenna Type

PCB antenna

Wireless Transmit Power

802.11g: 18.3 dBm max

802.11b: 19.4 dBm max

Receive Sensitivity

802.11g

108 Mbps (2437 MHz): -66 dBm

54 Mbps (2412, 2437, 2462 MHz): -70 dBm

36 Mbps (2412, 2437, 2462 MHz): -76 dBm

12 Mbps (2412): -85 dBm

12 Mbps (2437, 2462 MHz): -86 dBm

6 Mbps (2412): -86 dBm

6 Mbps (2437, 2462 MHz): -87 dBm

802.11b

11 Mbps (2412, 2462 MHz): -83 dBm

5.5 Mbps (2412 MHz): -86 dBm

5.5 Mbps (2462 MHz): -87 dBm

2 Mbps (2412 MHz): -89 dBm

2 Mbps (2462 MHz): -88 dBm

1 Mbps (2412, 2462 MHz): -92 dBm

Security

AES, WPA, TKIP, and WEP encryption

802.1X with EAP-TLS and PEAP authentication

Standards Conformance

IEEE 802.11g, 802.11b, IEEE 802.3, Wi-Fi, WPA,

AES, WEP, IEEE 802.1X

Dimensions & Weight

Height: 1.1 cm (0.44 in)

Length: 7.92 cm (3.12 in)

Width: 2.85 cm (1.12 in)

Regulatory/Agency Approvals

EMC : FCC Part 15 Subpart C: 15.247, 15.207, CE, EN301 489-1/-17 (EN55022 and EN55024),

EN 300 328 -1/-2, C-Tick Canada ICES-003, RSS210

Safety : EN60950-1: 2001, UL60950, R&TTE Art6.4, Taiwan DGT

Configuration and Management

Wireless Card Manager, pre-set defaults

Performance Features

Dynamic rate shifting

LED Indicators

Link, Activity

Environmental Operating Ranges

Operating temperature: 0° to 45° C (32° to 113° F)

Operating humidity: 5 to 90% non-condensing

Storage temperature: -20° to 70° C (-4° to 158° F)

Storage humidity: 5 to 95% non-condensing

Package Contents

3Com OfficeConnect Wireless 108Mbps 11g

USB Adapter

USB cradle with extension cable (for convenient installation)

CD-ROM with drivers and documentation

Quick Install Guide

Warranty Summary

Three-year Limited Hardware Warranty with advanced hardware replacement and 90 days free technical support. Refer to www.3com.com/warranty for details.

Ordering Information

PRODUCT DESCRIPTION	3COM SKU
3Com OfficeConnect Wireless 108 Mbps 11g USB Adapter	3CRUSB20075
<i>Related products</i>	
3Com OfficeConnect Wireless 54 Mbps 11g Compact USB Adapter	3CRUSB10075
3Com OfficeConnect Wireless 108 Mbps 11g XJACK PC Card	3CRXJK10075
3Com OfficeConnect Wireless 108 Mbps 11g PoE Access Point	3CRGPOE10075
3Com OfficeConnect ADSL Wireless 11g Firewall Router	3CRWDR100A-72
3Com OfficeConnect Wireless 11g Cable/DSL Router	3CRWE554G72TU
3Com OfficeConnect Wireless 11g Cable/DSL Router	3CRWE554G72T
3Com OfficeConnect Wireless 54 Mbps 11g Travel Router	3CRTRV10075
3Com OfficeConnect Wireless 54 Mbps 11g Print Server	3CRWPS10075
3Com OfficeConnect Wireless 11a/b/g Access Point	3CRWE454A72
3Com OfficeConnect Wireless 11g Access Point	3CRWE454G72
3Com OfficeConnect Wireless 11a/b/g PC Card	3CRWE154A72
3Com OfficeConnect Wireless 11g PC Card	3CRWE154G72

*Not available in all countries – please check with your local reseller or 3Com office for local availability



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