

3Com® OfficeConnect® Wireless 54 Mbps 11g Compact USB Adapter

DATA SHEET



- Both desktop and notebook users can enjoy the freedom and convenience of wireless LANs
- High-speed 54 Mbps wireless connections and USB 2.0 support help ensure throughput for multimedia or other high-bandwidth applications
- The latest in standards-based security keeps wireless transmissions private and network resources safe from unauthorized users

Key Benefits

High-Speed Connectivity

For simple, reliable, high-speed wireless connections for both desktop and notebook users, choose the 3Com® OfficeConnect® Wireless 54 Mbps 11g Compact USB Adapter. Users can access network resources, the Internet, and e-mail at speeds up to 54 Mbps over secure wireless connections.

Multiple Security Features

To keep wireless connections private, the 54 Mbps 11g USB adapter supports advanced WPA and AES encryption as well as basic WEP encryption. The USB adapter also supports the latest 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 without sacrificing performance. The USB extension cable 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

	Description
HIGH-SPEED, STANDARDS-BASED CONNECTIVITY	
802.11g support	Mobile users enjoy access to network resources at speeds up to 54 Mbps over a wide coverage range.
802.11b compatibility	High-speed 11g standard also supports 11b networks, preserving existing equipment investments.
Wi-Fi certification	Helps ensure interoperability with Wi-Fi certified products from other vendors.
MULTIPLE SECURITY FEATURES	
Multiple encryption and authentication schemes	WPA (Wi-Fi Protected Access), Advanced Encryption Standard (AES), and WEP (Wired Equivalent Privacy) encryption protect communications over the wireless LAN and helps ensure that only authorized users access the network.
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 for simple two-way transmissions or infrastructure mode for expanded connectivity through an access point.

Specifications

Minimum System Requirements

Installation CD requires Windows XP/Me/2000/98/95/NT 4.0.

Bus Type:

USB 2.0

Interfaces

802.11g/b Wi-Fi compliant

Drivers/Supported OS

NDIS 5: Windows ME, 2000, 98SE; NDIS 5.1: Windows XP

Wireless Data Rates

802.11g: 54, 48, 36, 24, 18, 12, 9 & 6 Mbps
802.11b: 11, 5.5, 2 & 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

Indoors: 100 meters (328 feet); Outdoors: 400 meters (1312 feet)

Antenna Type

PCB antenna

Wireless Transmit Power

802.11g: 17dBm (6, 9, 12, 18, 24, 36 Mbps), 15dBm (48, 54 Mbps)
802.11b: 19dBm

Receive Sensitivity

802.11g
54 Mbps: -70 dBm
48 Mbps: -71 dBm
36 Mbps: -76 dBm
24 Mbps: -80 dBm
18 Mbps: -83 dBm
12 Mbps: -86 dBm
9 Mbps: -87 dBm
6 Mbps: -87 dBm
802.11b
11 Mbps: -74 dBm
5.5 Mbps: -87 dBm
2 Mbps: -87 dBm
1 Mbps: -91 dBm

Security

WPA with TKIP, 128/192/256-bit AES, and 64/128-bit/256-bit WEP encryption
802.1X with EAP-TTLS and PEAP authentication

Standards Conformance

802.11g, 802.11b, 802.3, Wi-Fi, WPA, AES, WEP, 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 54Mbps 11g Compact USB Adapter
USB extension cable (for convenient installation)
CD-ROM with drivers and documentation
Quick Install Guide

Warranty Summary

Three-year Hardware Warranty. Limited Software Warranty for 90 days. Refer to www.3com.com/warranty for details.

Ordering Information

PRODUCT DESCRIPTION	3COM SKU
3Com® OfficeConnect® Wireless 54 Mbps 11g Compact USB Adapter	3CRUSB10075
Related products	
3Com® OfficeConnect® ADSL Wireless 11g Firewall Router	3CRWE754G72-B
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 11g USB Adapter	3CRWE254G72
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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