

3Com® OfficeConnect® Wireless 108Mbps 11g XJACK® PC Card

DATA SHEET



- Ideal for multimedia or other high bandwidth applications; Super G features boost performance
- Latest, most effective security keeps transmissions private and the network safe from unauthorized users

Key Benefits

High-Speed, Secure, Wide-Range Connectivity

With this secure, ultra high-speed wireless PC Card, mobile users can roam the office while accessing network resources, the Internet, and e-mail at speeds up to 108 Mbps over secure wireless connections.

Strong Security Features

To help shield wireless connections, the 108 Mbps 11g PC Card supports advanced WPA and AES dynamic key encryption as well as basic WEP encryption. The latest 802.1X authentication also helps protect against unauthorized users.

Innovative XJACK® Antenna

3Com's patented XJACK® antenna extends for excellent reception then tucks safely away for traveling. To conserve battery power, the card powers-down when the antenna is retracted.

Reliable Top Performance

Super G packet bursting, compression, fast frames, and dynamic turbo features automatically boost performance without user intervention. Dynamic rate shifting matches the best connection speed in response to physical and traffic conditions so wireless connections stay reliable.

Simple Installation and Convenient 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.

Features

	Description
HIGH-SPEED, STANDARDS-BASED CONNECTIVITY	
802.11g support	Mobile users enjoy access to network resources at speeds up to 108 Mbps over a wide operating range.
802.11b compatibility	High-speed 11g standard is backward compatible with 11b 11 Mbps networks, preserving existing equipment investments.
Wi-Fi certified	Helps ensure interoperability with Wi-Fi certified products from other vendors.
STRONG SECURITY FEATURES	
Multiple encryption and authentication schemes	WPA (Wi-Fi Protected Access), Advanced Encryption Standard (AES), WEP (Wired Equivalent Privacy) encryption, and 802.1X authentication protect communications over the wireless LAN and helps ensure that only authorized users access the network.
RELIABLE TOP PERFORMANCE	
Dynamic packet bursting	Dynamically increases throughput by sending more frames per given time period.
Hardware compression	Dynamically increases throughput by compressing data frames in real time without affecting the host processor.
Fast frames	Dynamically extends frame size to transmit more data per frame, boosting efficiency with less overhead.
Dynamic/static Turbo mode	Doubles the effective transmission rate by combining two channels; dynamic mode automatically adjusts bandwidth for need and environment.
Dynamic rate shifting	Keeps network connections continuously available as mobile users roam by automatically matching the best connection speed.
SIMPLE INSTALLATION AND CONVENIENT USE	
XJACK antenna	3Com-patented design extends for use and retracts for safe transport and to conserve power; no need to remove the PC Card from the notebook while traveling.
Wireless Card Manager	Creates profiles for each place mobile users travel; also displays connection status and features simple-to-use diagnostic tools.
Flexible operation 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

Notebook PC with Type II extended 32-bit PC Card slot (3.0-3.6V)

Notebook PC must be running Windows XP/ 2000

Drivers/Supported OS

NDIS 5: /2000/

NDIS 5.1: Windows XP

Interfaces

802.11g/b Wi-Fi certified

Slot Type

Type II extended 32-bit PC Card slot (3.0-3.6V)

Wireless Data Rates

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

802.11b: 11, 5.5, 2, & 1 Mbps

Operation Range

Up to 100 meters (328 feet)

Operating Channels

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

Frequency Band

802.11b/g: 2.4-2.4835 GHz

Modulation Technique

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

OFDM (Orthogonal Frequency Division Multiplexing)

Media Access Protocol

CSMA/CA

Wireless Transmit Power

802.11g: 17dBm (6, 9, 12, 18, 24, 36 Mbps), 14dBm (48, 54Mbps)

802.11b: 17dBm

Receive Sensitivity

802.11g

54 Mbps: -69 dBm

48 Mbps: -70 dBm

36 Mbps: -74 dBm

24 Mbps: -80 dBm

18 Mbps: -82 dBm

12 Mbps: -84 dBm

9 Mbps: -86 dBm

6 Mbps: -87 dBm

802.11b:

11 Mbps: -86 dBm

5.5 Mbps: -88 dBm

2 Mbps: -91 dBm

1 Mbps: -93 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/Certification

Wi-Fi, IEEE 802.11g, 802.11b, WPA, AES, WEP, 802.1X, Microsoft Windows XP WHQL

Dimensions & Weight

With extended antenna

Height: 0.5 cm (0.2 in)

Length: 11.3 cm (4.4 in)

Width: 5.4 cm (2.1 in)

With retracted antenna

Height: 0.5 cm (0.2 in)

Length: 8.6 cm (3.4 in)

Width: 5.4 cm (2.1 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, CSA C22.2 No. 60950-00, IEC 60950 (including national deviations), EN 60950, EN 300 328 V1.4.1, EN 301 489-1 V1.4.1, EN 301 489-17 V1.2.1

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

Performance Features

Super G packet bursting, compression, fast frames, dynamic/static turbo mode, dynamic rate shifting

Configuration and Management

Wireless Card Manager, pre-set defaults

LED Indicators

Link, Activity

Environmental Ranges

Operating temperature: 0° to 70° C (32° to 158° F)

Non-operating temperature: -40° to 70° C (-40° to 158° F)

Operating humidity: 10 to 90% non-condensing

Non-operating humidity: 5 to 95% non-condensing

Package Contents

3Com® OfficeConnect® Wireless 108Mbps 11g

XJACK® PC Card

CD-ROM with drivers and documentation

Quick Install Guide

Warranty sheet

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 108Mbps 11g XJACK® PC Card	3CRXJK10075
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 54Mbps 11g Travel Router	3CRTRV10075
3Com® OfficeConnect® Wireless 54Mbps 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
3Com® OfficeConnect® Wireless 54Mbps 11g Compact USB Adapter	3CRUSB10075

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



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