



# 3Com® OfficeConnect® Wireless 108 Mbps 11g Cable/DSL Router

DATA SHEET

Featuring eXtended Range (XR) technology to enable wireless coverage over longer ranges, plus robust routing and security features, this high speed 11g wireless router allows wired and wireless users to confidently and economically share a single broadband connection.

## OVERVIEW

The 3Com® OfficeConnect® Wireless 108 Mbps 11g Cable/DSL Router provides robust routing and security features allowing up to 253 total wired and wireless users (maximum 64 wireless users) to share a single broadband connection. Boasting eXtended Range (XR) technology and wireless data speeds of up to 108 Mbps plus a high-speed routing engine this Cable/DSL Router is able to handle high-bandwidth applications confidently. Advanced security features include 128-bit WPA/WPA2 with TKIP/AES wireless encryption, a stateful packet inspection firewall, hacker pattern detection, URL filtering, IP and MAC address filtering and SurfControl's optional content filtering technology (a 14-day free trial of which is included with the router, subject to registering the product at <http://esupport.3com.com> to get the trial activated). Easy to set up and use, this product is backed by a market-leading three year hardware warranty with next business day replacement.

The 3Com OfficeConnect Wireless 108 Mbps 11g Cable/DSL Router with eXtended range (XR) technology is designed to provide "extreme" wireless LAN coverage to help eliminate indoor dead spots and give line-of-sight range that is 2x to 3x that of traditional solutions.

## KEY BENEFITS

### ECONOMICAL SHARED INTERNET ACCESS FOR WIRED AND WIRELESS USERS

Wireless router with four-port 10/100 Ethernet LAN switch enables up to 253 total (64 wireless) users to securely share a single cable or DSL Internet connection to leverage broadband expenses.

### HIGH-SPEED WIRELESS CONNECTIVITY

Wireless speeds of up to 108 Mbps easily handle large data transfers and Internet downloads, including those from multimedia applications for users with 11g-equipped PCs and laptops. The router is also backward-compatible with 11b wireless LAN equipment, preserving existing network investments. Wi-Fi compatible, the 11g gateway interoperates with other Wi-Fi products.



## KEY BENEFITS (CONTINUED)

### EXTENDED RANGE TECHNOLOGY

3Com OfficeConnect Wireless 108 Mbps 11g Cable/DSL Routers come with a new advanced chipset which features new baseband architecture that enables long-range connections. The architecture delivers receive sensitivities of up to -105dBm, over 20dB better than the 802.11 specification. This technology provides single access point coverage in home networking environments, eliminates the dead spots in corporate wireless LANs, and provides outdoor coverage of up to two times the distance of competing WLAN solutions.

### MULTIPLE SECURITY FEATURES

Advanced wireless security and multiple firewall features offer advanced levels of protection for the network. To shield wireless connections, this 11g router implements 128-bit WPA/WPA2 with TKIP/AES encryption for maximum security, along with 40/64 and 128-bit WEP encryption for legacy clients. URL filtering, including support for the SurfControl Web Filter service, traffic metering, and other security features help protect the entire network from attacks and other Internet security risks.

SurfControl Web Filter allows you to actively monitor network use and abuse anywhere in your organization.

#### SurfControl Web Filter bolsters your defenses by providing:

**Bulletproof infrastructure security** - Automatic, real-time security updates through our comprehensive threat database, which is constantly kept current with knowledge gathered by SurfControl's global threat experts.

**Legal liability protection** - Prevents circulation of inappropriate content that violates copyright laws or infringes on rights.

**Regulatory compliance** - Helps you meet HIPAA, Sarbanes-Oxley, and other industry or government security requirements.

**Enhanced employee productivity** - Limits Web surfing and downtime due to attacks and improves IT productivity because it's easy to implement and manage.

### ROBUST ROUTING FEATURES

IP routing (RIP 1 and 2) and static routing allow the router to be used in multi-network environments. Dynamic Domain Name Service (DNS) enables users connecting to the Internet with dynamic IP addresses to use network applications such as Web or FTP servers that normally require static IP addresses.

### RELIABLE AND SIMPLE TO USE

Designed to meet 3Com's proven standards of quality, reliability is assured and supported by a three-year hardware warranty. Browser-based user interface, device discovery, and simple setup wizards ease installation, configuration, and administration.

### INTEROPERABLE 108 MBPS SOLUTIONS

- > **3CRUSB20075** - 3Com OfficeConnect Wireless 108 Mbps 11g USB Adapter
- > **3CRXJK10075** - 3Com OfficeConnect Wireless 108 Mbps 11g XJACK® PC Card
- > **3CRDAG675B** - 3Com 11a/b/g Wireless PCI Adapter
- > **3CRPAG175B** - 3Com 11a/b/g Wireless PC Card with XJACK Antenna
- > **3CRWE154A72** - 3Com OfficeConnect Wireless 11g PC Card

## FEATURES AND BENEFITS

### Shared Internet Access

Wired and wireless user support	Enables up to 253 total (64 wireless) users to share a single cable or DSL connection to make the most of your broadband service
Flexible broadband support	Supports either cable or DSL modem connections for configuration flexibility

### High-Speed Wireless Connectivity

11g 108 Mbps wireless connections	IEEE 802.11g standard supports speeds up to 108 Mbps in SuperG mode for high-speed access and wide coverage
Backward compatible with 11b users	Supports high speeds while protecting existing investments
Packet bursting	Increases throughput by sending more frames in a given time period; benefits 11b and 11g users

### Robust Security

WPA/WPA2 (Wi-Fi Protected Access) and WEP (Wired Equivalent Privacy)	Support advanced 128-bit WPA/WPA2 encryption for 11g networks, 40/64-bit and 128-bit WEP encryption for legacy wireless clients
Multi-level wireless security	Provides additional wireless security with SSID Broadcast Disable, and MAC filtering
Firewall	Full SPI firewall, access control rules, DoS protection and other features shields your network from threats coming from always-on broadband connection
URL filtering and 3Com SurfControl Web Filter	Controls access to inappropriate web sites

### Flexible Routing

IP routing (RIP 1 and 2) and static routing	Allow the router to be used in multi-network environments
WMM and IP QoS	Enable the router to deliver optimal performance to critical applications
Dynamic Domain Name Service (DNS)	Enables users connecting to the Internet with dynamic IP addresses to use network applications such as Web or FTP servers that normally require static IP addresses (requires subscription with Dynamic DNS providers)

### Ease of Use

Set-up wizards, pre-set defaults, and intuitive browser interface	Make set up and configuration easy
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### Support Service

Wireless LAN Site Survey, 3Com Express Maintenance	Refer to <a href="http://www.3com.com/services">www.3com.com/services</a> for details
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## SPECIFICATIONS

### MINIMUM SYSTEM REQUIREMENTS

Operating system that supports an Ethernet connection with an IP stack. Installation CD requires Windows XP/Me/2000/98/95/NT 4.0.

Computers with an Ethernet 10BASE-T or 10/100 interface configured for network communication.

For wireless access, PC or laptops with 802.11g or 802.11b adapter cards

An active cable or DSL broadband connection.

### USERS SUPPORTED

Up to 253 total simultaneous users  
64 wireless users; MAC filter 40 clients

### PHYSICAL PORTS

LAN: 4 autosensing 10BASE-T/100BASE-TX port

WAN: 1 autosensing 10BASE-T/100BASE-TX port

### WIRELESS DATA RATES

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

802.11b: 11, 5.5, 2 & 1 Mbps

### FREQUENCY BAND

2.4-2.4835 GHz

### WIRELESS MEDIUM

OFDM, CCK

### MEDIA ACCESS PROTOCOL

CSMA/CA

## SPECIFICATIONS (CONTINUED)

### WIRELESS TRANSMIT POWER

802.11g: 16dBm  
802.11b: 18dBm

### WIRELESS OPERATING RANGE

Indoor maximum: 400 feet  
Outdoor maximum: 2,296 feet

### PROTOCOL SET

Dynamic and static IP addressing,  
DHCP server  
NAT/PAT (with TCP and UDP), PPPoE,  
PPTP, IP, PAP, CHAP, MS CHAP, IPCP,  
SNTP

### ROUTING

RIP 1 and 2  
Static routing

### SECURITY

Advanced security features include  
128-bit WPA/WPA2 with TKIP/AES  
wireless encryption  
40/64-bit and 128-bit WEP encryption  
Allow/deny access control lists  
URL or keyword filtering  
SSID Broadcast Disable  
MAC address filtering  
NAT/PAT (with TCP and UDP)  
Traffic metering  
SurfControl's Web Filter  
(subscription based, 14 day free trial  
included subject to product registration  
at <http://esupport.3com.com>).

### DIMENSIONS

Height: 3.5 cm (1.5in)  
Width: 22 cm (8.7 in)  
Depth: 13.5 cm (5.3 in)  
Weight: 592g (1.3 lb)

### POWER

Supplied via OfficeConnect  
power supply:  
Operating output: DC12V / 1A  
Maximum Power Consumption: 15W

### REGULATORY/AGENCY APPROVALS

Safety: UL60950-1, CSA 22.2 No.  
60950-1-03, EN 60950-1: 2001, IEC  
60950-1: 2001.  
Emissions: CFR Title 47, FCC Part 15,  
Subpart B & C , ICES-003, Industry  
Canada RSS-210, Industry Canada RSS-  
Gen, EN 300 328, EN 301 489-1/17.  
Environmental: EN 60068 (IEC 68),  
UL Listed, CSA certified

### CONFIGURATION AND MANAGEMENT

Browser-based administration  
Device-discovery wizards  
Preset defaults  
Remote management  
Save and restore configuration files

### PACKAGE CONTENTS

- > OfficeConnect Wireless 108 Mbps  
11g Cable/DSL Router
- > OfficeConnect power supply
- > Install Guide
- > CD ROM containing the Gateway  
Discovery program and user guide
- > One straight-through category 5  
UTP patch cable
- > Four rubber feet

### WARRANTY SUMMARY

Three-year Hardware Warranty. Refer  
to <http://www.3com.com> for details.

## ORDERING INFORMATION

### PRODUCT DESCRIPTION

3Com® OfficeConnect® Wireless  
108 Mbps 11g Cable/DSL Router  
3Com OfficeConnect Content Filter,  
12-month license

### MODEL NUMBER

WL-537S

### 3COM SKU

3CRWER200-75

3CSBCFS



Availability varies by region, check with your ISP for support details.  
For additional information, please visit [www.3com.com](http://www.3com.com)

Visit [www.3com.com](http://www.3com.com) for more information about 3Com secure converged network solutions.

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