



3Com® OfficeConnect® Wireless 54 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 54 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 54 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 54 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 54 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 54 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 20 dB 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, the 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 54 MBPS SOLUTIONS

- > **3CRGPC10075** - 3Com OfficeConnect Wireless 54 Mbps 11g PC Card
- > **3CRUSB10075** - 3Com OfficeConnect Wireless 54 Mbps 11g USB Compact Adapter
- > **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 54 Mbps wireless connections	More than 4 Times faster than 11b connections
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 www.3com.com/services 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

IEEE 802.11g: 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

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 54 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	MODEL NUMBER	3COM SKU
3Com® OfficeConnect® Wireless 54 Mbps 11g Cable/DSL Router	WL-537	3CRWER100-75
3Com OfficeConnect Content Filter, 12-month license		3CSBCFS
For even faster wireless performance consider:		
3Com OfficeConnect Wireless 108 Mbps 11g Cable/DSL Router	WL-537S	3CRWER200-75

Availability varies by region, check with your ISP for support details.
For additional information, please visit www.3com.com



Visit www.3com.com for more information about 3Com secure converged network solutions.

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