



3Com® OfficeConnect® Wireless 11g Cable/DSL Router

DATA SHEET



- Supports up to 253 simultaneous wireless and wired users on a single cable or DSL connection for cost-effective broadband access sharing
- Multiple security and routing features protect the LAN from external attacks and protect communications over the Internet
- Automated setup wizards, preset defaults, and an intuitive browser-based user interface simplify installation and ongoing administration

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 (128 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 IEEE 802.11g-equipped PCs and laptops. The router is also backward-compatible with IEEE 802.11b wireless LAN equipment, preserving existing network investments. Wi-Fi compatible, this gateway interoperates with other Wi-Fi products. Wireless Distribution System (WDS) allows business customers to build a completely wireless infrastructure without connecting equipment to a wired local area network.

Multiple Security Features

Advanced wireless security and multiple firewall features offer levels of protection for

the network. To shield wireless connections, the 11g router implements 256-bit WPA encryption for maximum security, along with 40-/64- and 128-bit WEP encryption for legacy clients. URL filtering, including support for the 3Com Content Filter service, traffic metering, and other security features help protect the entire network from attacks and other Internet security risks.

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.

Features

	Description
SHARED INTERNET ACCESS	
Wired and wireless user support	Enables up to 253 total (128 wireless) users to share a single cable or DSL connection to make the most of your broadband service.
Wireless Distribution System (WDS)	Creates a wireless network by linking several wireless access points with WDS links. This type of set-up alleviates the need to connect the wireless network into a wired LAN. It is ideal for open areas where wiring (or re-wiring) is cost-prohibitive, restricted or physically impossible.
Flexible broadband support	Supports either cable or DSL modem connections for configuration flexibility.
HIGH-SPEED WIRELESS CONNECTIVITY	
IEEE 802.11g 54 Mbps wireless connections	Almost five times faster than IEEE 802.11b connections.
Backward compatible with 11b users	Supports high speeds while protecting existing investments.
NAT Turbo	Innovative routing engine increases LAN-WAN throughput by up to 100 percent over standard NAT products.
Packet bursting	Increases throughput by sending more frames in a given time period; benefits 11b and 11g users.

Features *continued*

	Description
ROBUST SECURITY	
WPA (Wi-Fi Protected Access) and WEP (Wired Equivalent Privacy)	Support advanced 256-bit WPA encryption for 11g networks, 40-/64- and 128-bit WEP encryption for legacy wireless clients.
Multi-level wireless security	Provides additional wireless security with SSID Broadcast Disable, and MAC filtering.
URL filtering and 3Com Content Filter Service	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.
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.

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 IEEE 802.11g or 802.11b adapter cards

An active cable or DSL broadband connection.

Users Supported

Up to 253 total simultaneous users (128 wireless users)

Physical Ports

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

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

Wireless Data Rates

802.11g: 54, 48, 35, 24, 18, 12, 9 and 6 Mbps

802.11b: 11, 5.5, 2 and 1 Mbps

Frequency Band

2.4-2.4835 GHz

Wireless Medium

OFDM, CCK

Media Access Protocol

CSMA/CA

Wireless Transmit Power

802.11g: 16dbm

802.11b: 18dbm

Wireless Operating Range

Obstructed, maximum: 100 meters (328 feet)

Unobstructed, maximum: 350 meters (1,148 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

256-bit WPA encryption

40-/64- 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

3Com Content Filter Service

Dimensions

Height: 2.4 cm (1 in)

Width: 2.2 cm (8.7 in)

Depth: 13.5 cm (5.3 in)

Weight: 592g (1.3 lb)

Power

Supplied via OfficeConnect power supply:

Operating input voltage: 10-30V

Operating frequency: 47-63Hz

Maximum power consumption: 6.5W

Regulatory/Agency Approvals

Safety: UL 1950: EN 60950 CSA 22.7 #950: IEC 60950

Emissions : EN 55022 Class B, EN 55024 FCC Part 15, Class B, ICES-003 Class B: VCCI Class B, CNS 13438 Class A

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 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 www.3com.com/warranty for details.

Ordering Information

PRODUCT DESCRIPTION	3COM SKU
3Com OfficeConnect Wireless 11g Cable/DSL Router (North American)	3CRWE554G72TU
3Com OfficeConnect Wireless 11g Cable/DSL Router (International)	3CRWE554G72T
3Com Content Filter Service	3CSBCFS



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