



3Com® OfficeConnect® ADSL Wireless 54 Mbps 11g Firewall Router

DATA SHEET

The 3Com OfficeConnect ADSL Wireless 54 Mbps 11g Firewall Router delivers advanced security and multiple firewall features. This all-in-one router is easy to install and provides leading-edge advanced security with a best-in-class warranty for complete peace of mind.

OVERVIEW

The 3Com® OfficeConnect® ADSL Wireless 54 Mbps 11g Firewall Router provides robust routing and security features and allows users to share a single ADSL connection. With wireless data speeds of up to 54 Mbps plus a high-speed routing engine, this ADSL firewall router is able to handle high-bandwidth applications confidently. Advanced security features include 128-bit WPA/WPA2 with TKIP/AES encryption, a stateful packet inspection firewall, hacker pattern detection, URL filtering, IP and MAC address filtering and SurfControl's optional content filtering technology (14-day free trial included). Furthermore, the firewall router features a transparent bridge firewall with proxy ARP, 1-to-1 NAT, NAT off mode and more to increase flexibility in deployment. Designed to be easy to set up and use, this firewall router can auto PVC scan, simplifying installation, and is backed by a market-leading three-year hardware warranty with next business day replacement.

KEY BENEFITS

PROVIDES SHARED INTERNET ACCESS FOR WIRELESS AND WIRED USERS

The 3Com OfficeConnect ADSL Wireless 54 Mbps 11g Firewall Router combines an ADSL modem, router, IEEE 802.11g wireless access point and 4-port switch to allow users to economically and securely share a single ADSL or ADSL 2/2+ connection. A high-speed routing engine and 54 Mbps wireless throughput easily handle large data transfers and Internet downloads, including those from multimedia applications.

DELIVERS HIGH-SPEED WIRELESS CONNECTIVITY

The ADSL Wireless 11g Firewall Router provides a high-speed, 54 Mbps wireless connection for users with 802.11g equipped PCs and laptops. It is also backward-compatible with IEEE 802.11b wireless LAN equipment, preserving existing network investments. Wi-Fi CERTIFIED, this 11g router interoperates with other Wi-Fi products. Additionally, support for Wireless Distribution System (WDS) makes set up of an extended, or completely wireless, network extremely simple.*



* Requires wireless access points that support WDS.

KEY BENEFITS (CONTINUED)

DELIVERS ADVANCED SECURITY

Advanced wireless security and multiple firewall features offer advanced levels of protection for the network. To shield wireless connections, the ADSL Wireless 54 Mbps 11g Firewall Router implements 128-bit WPA/WPA2 with TKIP/AES encryption for maximum security, along with 40-/64- and 128-bit Wired Equivalent Privacy (WEP) encryption for legacy clients. A stateful packet inspection firewall, hacker pattern detection, URL filtering, support for the SurfControl Web Filter service and other security features help protect the entire network from attacks and other Internet security risks.

The SurfControl Web Filter allows you to actively monitor network usage and abuse anywhere within your organization.

SurfControl Web Filter bolsters your defenses by providing:

Bulletproof infrastructure security - Automatic, real-time security updates from our comprehensive threat database.

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.

OFFERS INTEROPERABLE 54 MBPS SOLUTIONS

This product can be paired with the following compatible products to further facilitate wireless networking throughout the home or office:

- > **3CRGPC10075** - 3Com OfficeConnect Wireless 54 Mbps 11g PC Card
- > **3CRUSB10075** - 3Com OfficeConnect Wireless 54 Mbps 11g USB Compact Adapter
- > **3CRDAG675B** - 3Com Wireless 11a/b/g PCI Adapter
- > **3CRPAG175B** - 3Com Wireless 11a/b/g PC Card with XJACK® Antenna
- > **3CRWE154A72** - 3Com OfficeConnect Wireless 11g PC Card

FEATURES AND BENEFITS

Shared Internet Access

Wired and wireless user support	Supports up to 64 wireless users (wireless MAC filter for 32 clients) on a single DSL connection to save time and money
All-in-one device	An ADSL 2/2+ modem, 802.11g access point, router, firewall and 4-port switch in one box to allow easy DSL sharing

High-Speed Wireless Connectivity

802.11g 54 Mbps connections	Wireless connectivity at speeds almost 5x faster than 802.11b
Backward compatible with 802.11b	Supports high speeds and protects investments in legacy products

ADVANCED SECURITY

WPA/WPA2 and WEP	Advanced 128-bit WPA/WPA2 with TKIP/AES encryption for maximum security, along with 40-/64- and 128-bit WEP encryption for legacy clients
Multi-level wireless security	Provides additional wireless security with SSID Broadcast Disable and MAC filtering
Robust firewall	Stateful packet inspection firewall, hacker pattern detection, protection from DoS attacks, transparent/bridge mode firewall, access control list with scheduling
VPN passthrough	Permits secure connections to remote offices
URL/key word blocking and content filtering (optional)	Enforces acceptable web usage policies to improve productivity; 14-day free trial of the optional content filtering service is included

EASE OF USE

Setup wizards and an intuitive web browser interface	Makes setup 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 98/ME/XP/2000.

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

For wireless access, PCs or laptops with Wi-Fi CERTIFIED IEEE 802.11g or 802.11b PC Cards or NICs

An active ADSL or ADSL 2/2+ broadband connection.

USERS SUPPORTED

Up to 253 simultaneous users, including up to 64 wireless users

PHYSICAL PORTS

LAN: 4 autosensing RJ-45 10/100BASE-TX Ports

WAN: 1 RJ-11 port

WIRELESS DATA RATES

802.11g: 54, 48, 36, 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

SPECIFICATIONS (CONTINUED)

WIRELESS TRANSMIT POWER

802.11g: 16dBm
802.11b: 18dBm

IP PROTOCOL SET

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

DIMENSIONS

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

POWER

Supplied via OfficeConnect
power supply
Operating output: DC12V/1.25A
Maximum power consumption: 15W

OPERATING RANGE

Obstructed, maximum: 100 m (328 ft)
Unobstructed, maximum: 350 m
(1,148 ft)

SECURITY

Firewall with hacker pattern detection
Event logging
Access control list
Disable broadcast SSID
URL or keyword filtering
MAC address filtering
128-bit WPA/WPA2 with TKIP/AES
encryption
40-/64- and 128-bit WEP shared-key
encryption
VPN passthrough (PPTP, IPsec,
L2TP/IPsec)
SurfControl's Web Filter
(subscription based, 14-day free trial
included subject to product registration
at <http://esupport.3com.com>)

ATM SUPPORT

Traffic shaping (UBR/CBR)
OAM (I.610) F4/F5 support
PPP over Ethernet (RFC2516)
PPP over ATM
Support for up to 8 PVCs

STANDARDS

ANSI T1.413 issue 2
ITU G.992.1 (G.DMT)
ITU G.992.2 (G.lite)
ITU G.992.3 (ADSL2 DMT)
ITU G.992.4 (ADSL2 G.lite)
ITU G.992.5 (ADSL2+)

ROUTING

RIP v1 and v2, static routing

GATEWAY FEATURES

DHCP server
Transparent/bridge firewall
Proxy ARP
Special Application support
Dynamic DNS support
Support of SIP ALG and other
popular ALGs
IP QoS
Virtual server support
Virtual DMZ support
Universal plug and play support

STANDARDS CONFORMANCE

Wi-Fi WPA/WPA2 CERTIFIED
IEEE 802.11b, IEEE 802.11g

REGULATORY/AGENCY APPROVALS

Safety: UL60950-1, CSA 22.2 No.
60950-1-03, EN 60950-1: 2001, IEC
60950-1: 2001.
Emission: 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, EN55022 Class B, EN55024.
Telecom: FCC Part 68, IC CS-03.

CONFIGURATION AND MANAGEMENT

Browser-based user interface
Syslog server support
SNMP v1, v2 agent support

WARRANTY SUMMARY

Three-year Hardware Warranty with
next business day Advance Hardware
Replacement. Refer to
www.3com.com/warranty for details.

ORDERING INFORMATION



PRODUCT DESCRIPTION

3Com OfficeConnect ADSL Wireless 54 Mbps
11g Firewall Router (ITU Annex A, ADSL over POTS)
3Com OfficeConnect ADSL Wireless 54 Mbps
11g Firewall Router (ITU Annex B, ADSL over ISDN)

MODEL NO. 3COM SKU

WL-552 3CRWDR101A-75
WL-552 3CRWDR101B-75

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

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064
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400979-001 04/06

