



3Com® OfficeConnect® ADSL Wireless 108 Mbps 11g Firewall Router

DATA SHEET

The 3Com OfficeConnect ADSL Wireless 108 Mbps 11g Firewall Router delivers advanced security, multiple firewall features and superior long-range technology connectivity.

OVERVIEW

The 3Com® OfficeConnect® ADSL Wireless 108 Mbps 11g Firewall Router, provides robust routing and security features allowing users to share a single ADSL connection. With eXtended range (XR) technology, wireless data speeds of up to 108 Mbps and a high-speed routing engine, this ADSL Firewall Router is able to handle high-bandwidth applications confidently. Advanced security features include 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). Easy to set up and use—typical install is 15 minutes or less—this product 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 108 Mbps 11g Firewall Router combines an ADSL modem, router, IEEE 802.11g wireless access point and 4-port switch to allow up to 253 total (64 wireless) users to economically and securely share a single connection. A high-speed routing engine and 108 Mbps wireless throughput easily handle large data transfers and Internet downloads, including those from multimedia applications.

DELIVERS HIGH-SPEED WIRELESS CONNECTIVITY

This ADSL Wireless 11g Firewall Router provides a high-speed 108 Mbps wireless connection for users with 108 Mbps compatible adapters and 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)

OFFERS EXTENDED RANGE TECHNOLOGY

The 3Com OfficeConnect ADSL Wireless 108 Mbps 11g Firewall Router is equipped 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 coverage in home networking environments with a single access point, eliminates the dead spots in corporate wireless LANs, and provides unobstructed coverage of up to two times the distance of competing WLAN solutions.

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 11g 108 Mbps 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 SOLUTIONS

With XR technology this 108 Mbps firewall router is designed to provide "extreme" wireless LAN coverage and can be paired with the following compatible products to help eliminate indoor dead spots and give line-of-sight range that is 2x to 3x that of traditional solutions:

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

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

eXtended Range Technology

eXtended Range Technology	Enables long-range connections. The architecture delivers receive sensitivities of up to -105dBm, over 20 dB better than the 802.11 specification. Helps eliminate dead spots and provides outdoor coverage of up to 2x the distance of competing WLAN solutions
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High-Speed Wireless Connectivity

802.11g 108 Mbps connections	Wireless connectivity at speeds more than 9x 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. To achieve speed up to 108 Mbps a compatible 108 Mbps client adapter is required. 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: 108, 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 (1.5in)
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: DC15V, 1A
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 Part68, IC CS-03

CONFIGURATION AND MANAGEMENT

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

WARRANTY AND OTHER SERVICES

Three-year Hardware Warranty
Advance Hardware Replacement
with Next Business Day shipment in
most regions
90 days of telephone technical support
Refer to www.3com.com/warranty
for details.



ORDERING INFORMATION

PRODUCT DESCRIPTION

MODEL NO. 3COM SKU

3Com OfficeConnect ADSL Wireless 108 Mbps 11g Firewall Router (ITU Annex A, ADSL over POTS)	WL-553	3CRWDR200A-75
3Com OfficeConnect ADSL Wireless 108 Mbps 11g Firewall Router (ITU Annex B, ADSL over ISDN)	WL-553	3CRWDR200B-75

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

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