



DATA SHEET

## 3Com® OfficeConnect® Remote 612 ADSL Router

### Key Benefits

One of the most easy-to-use ADSL routers available today for shared Internet access

#### Greater Productivity

Supports economical, high-speed Internet access and LAN connectivity at up to 8 Mbps downstream, 1 Mbps upstream speeds.<sup>1</sup>

#### Multiuser Internet Access

By adding a hub or switch, you can support up to 40 or more users, all sharing a single ADSL broadband connection.<sup>2</sup>

#### Powerful Router Features

Full-featured routing support enables segmentation and routing of IP protocols. IP features include TCP/IP routing with RIP1 and RIP2, DHCP server and client functions, and DNS relay capability.

#### Security

Port Address Translation (PAT) and IP static routes with security filters let you hide user addresses from identification—or invasion—by outsiders.

With the 3Com® OfficeConnect® Remote 612 ADSL Router, small and midsize businesses get a simple, easy-to-use entry point into the world of high-performance broadband network access.

You can download files from the Internet, or from a corporate LAN, in

#### Easy Installation and Maintenance

Windows-based installation GUI simplifies set-up and configuration. Support for HTML (browser based) and SNMP maximize management flexibility and ease of management.

#### Installation Flexibility

Network services include built-in Point-to-Point Protocol over Ethernet (PPPoE) and Point-to-Point Protocol over ATM (PPPoA). This maximizes connection flexibility within service-provider architectures.

#### Wide DSLAM Interoperability

Interoperates with Issue 2 DMT specified DSLAMs and Alcatel, Globespan and ADI 918/930 chip set based DSLAMs. This ensures wide-ranging compatibility with leading service providers' Central Office (CO) equipment.

the blink of an eye, thanks to the bandwidth of ADSL. As you grow, you can add users and applications, too. Add hubs, switches, firewalls, even wireless access points—your router will serve as a shared Internet connection for a LAN with up to 40 or more users.

<sup>1</sup>Requires ADSL service from your local telephone company or broadband service provider. Services currently available only in selected areas and may be limited in those areas. Actual speeds will vary depending on services offered by your local broadband service provider and other factors.

<sup>2</sup>Your Internet service provider may have additional requirements and may not allow Internet connection sharing and/or may impose additional fees.

## Specifications

### Minimum System Requirements

Any computer with an Ethernet 10BASE-T interface  
 Any operating system that supports an Ethernet connection with an IP stack  
 (Installation CD requires Windows 95, Windows 98, Windows NT 4.0 or Windows 2000)  
 ADSL service from local telephone company or broadband service provider  
 External voice/data splitter or line filter may be required for simultaneous use of telephone and data access when operating in full-rate or G.lite mode

### Dimensions and Weight

Width: 8.85 in/224.8 mm  
 Height: 1.70 in/43.2 mm  
 Depth: 5.35 in/135.9 mm  
 Weight: 1.24 lbs/.56 kg

### Power

External Power Supply:  
 Region specific

### General

Processor: Main CPU: Motorola MPC850DSL (50 MHz)  
 Flash: 2MB  
 SDRAM: 8MB  
 ADSL Chip: Alcatel MTK-20150 DMT

### Environmental Range

Operating temperature:  
 0°C to +40°C  
 Nonoperating temperature:  
 -35°C to +70°C  
 Operating humidity:  
 0-95% non-condensing

### Routing

TCIP/IP routing with RIPv1,  
 RIPv2

IP static routes and security filters  
 MAC encapsulated routing  
 DHCP server and relay  
 DHCP client  
 DNS relay, cache, proxy and server

### Address Translation

Port Address Translation (PAT)

### WAN Protocols

PPP over Ethernet client in router (RFC 2516)  
 PPP over ATM, (LLC/VCMux), (RFC 2364)  
 IP routing over ATM (RFC 1483)  
 AAL Type: AAL5  
 ATM Service Class: UBR ATM signaling, UNI 3.1, UNI 4.0  
 Virtual circuit (VC) traffic shaping (UBR)  
 8 simultaneous VCs

### Security

IP static routes and security filters  
 SNMP password protection  
 HTML password protection

### Installation, Configuration and Management

Administration through HTTP, SNMP, Telnet  
 Web interface for configuration, software upgrades and status  
 Software upgradeable via FTP/TFTP  
 Installation GUI interface  
 Configuration wizard

### Interoperability

Interoperable with leading DSLAM manufacturers' equipment

### Hardware Features

#### WAN Interface

One Asymmetrical Digital Subscriber Line (ADSL) interface (RJ-11)  
 Full Rate ADSL: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) and ITU G. 992.2 (G.lite)

#### LAN Interface

One 10BASE-T Ethernet (RJ-45) MDI/MDIX switch

#### Performance

Downstream: Up to 8 Mbps  
 Upstream: Up to 1 Mbps<sup>1</sup>

#### LEDs Indicators

Alert, Power, ADSL, Link Status, LAN Status

#### Regulatory/Agency Approvals

FCC approved Part 15, Class B  
 IC approved CS-03 and ICES-003  
 UL listed  
 CUL listed  
 EN 55022 CISPR 22 Class B  
 EN 50082-1  
 EN 60950

#### Package Contents

OfficeConnect Remote 612 ADSL router  
 AC power adapter  
 Installation map  
 Installation CD-ROM  
 RJ-45 to RJ-45 Ethernet cable 10BASE-T (8 ft)  
 RJ-11 to RJ-11 phone cable (7ft)  
 Rubber feet

#### Warranty Summary

Limited Lifetime Warranty  
 Return to factory for repair

## Ordering Information

OfficeConnect Remote 612 ADSL Router 3C612\*

\*To receive the appropriate power cord, add one of the following codes to the product number when ordering -US (United States), -AA (Asian/Australia), -ME (Mid-European) or -UK (United Kingdom).

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To learn more about 3Com solutions, visit [www.3com.com](http://www.3com.com). 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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