

V.90 Standard



The 3Com U.S. Robotics Courier V. Everything corporate modem is a business-class modem that gives small- and medium-sized companies, as well as large corporations, the top performance, complete connectivity, and cost-saving efficiencies required for more reliable and productive communications.



The Modem That Means Business

## Courier™ V. Everything™ Corporate Modem

### V. Everything compatibility

Supports more modem standards than any modem on the market.

### Top performance

Supports ITU V.90 56\* Kbps and 3Com's 56K\* x2™ technology for through-put of up to 115 Kbps with Courier's high-speed DTE and file compression techniques.

### Reliable performance under adverse line conditions

Transmits data even over poor quality circuits.

### One modem is compatible with all operating systems

Use with Windows, Macintosh, UNIX, and DOS platforms to maximise your investment and standardise daily tasks.

### Easy software upgrades

Flash ROM and Flash DSP technology allow you to add new features as they are developed without buying a new modem.

### Secure operations

Incorporates security features such as caller authorisation and dialback.

### Unattended, continuous operation

With automatic redial and 24x7 proven reliability, you can use the Courier modem for applications requiring around-the-clock, automated transmission.

The 3Com U.S. Robotics® Courier™ V. Everything™ corporate modem is the only high-speed modem solution optimised for the rigorous communications needs of growing businesses. This strictly business modem features capabilities not found in conventional consumer modems. They include 24x7 reliable operation; V. Everything compatibility; software upgradeability; unattended operation; two wire leased line connectivity; remote management; security; and compatibility with all operating systems.

The 3Com U.S. Robotics Courier V. Everything corporate modem is the ideal solution for companies that need greater speed—up to 56\* Kbps, the highest speed transmission you can achieve over analogue telephone lines. With both ITU V.90 56\* Kbps and 3Com's 56K\* x2™ technology, you can download files in dramatically less time than ordinary modems allow, providing more productive business transactions and reduced connection costs. With Courier award-winning communications technology, you are assured reliable connections even under adverse line conditions.



More connected.™

Corporate modem  
Supports V.90 56 Kbps\* and x2™ technology

## Connect to Everything

As a growing business, you need to work quickly and efficiently. Communications glitches frustrate you. Poor performance hampers you. Single purpose devices limit you. The 3Com U.S. Robotics Courier V.Everything corporate modem eliminates all of these problems by supporting all analogue modem standards, working with all of the top operating systems, and providing uninterrupted operations under virtually all line conditions.

With 56\* Kbps transmission, the 3Com U.S. Robotics Courier V.Everything corporate modem gives you the highest speed possible today over analogue phone lines. At the same time, you have complete compatibility with existing lower speed modem technology, down to 300 bps, so you can use your modem for universal communications.

The 3Com U.S. Robotics Courier V.Everything corporate modem works with the industry's most popular operating systems – Macintosh, Windows, DOS, and UNIX – so you don't have to buy a different modem for each platform. Plus, universal operating system support saves you money and simplifies everything from training to administration and service/support.

The 3Com U.S. Robotics Courier V.Everything corporate modem is designed to deliver reliable performance under virtually all line conditions. Most consumer-grade modems lose connections repeatedly when the circuit quality degrades, causing users to redial and resend information continually. The 3Com U.S. Robotics Courier V.Everything corporate modem is based on advanced communications technology that has been proven to provide superior connections and continuous operation over all types of lines.

3Com's Universal Connect automatically detects and connects using the highest possible speed, and with the aid of Quickconnect a connection can be established faster than standard modems. Adaptive speed levelling allows incoming and outgoing channels to adjust independently to line conditions, which assures highest possible overall throughput on each transition.

## Technology You Can Trust

The 3Com U.S. Robotics Courier V.Everything corporate modem is based on the same technology developed by 3Com/U.S. Robotics for the company's remote access concentrators, which are used by the world's largest service providers and corporations. If you are connecting to the Internet or a corporate network with your V.Everything modem, chances are you're going through a 3Com/U.S. Robotics remote access concentrator, so you can be assured of end-to-end compatibility and superior connections every time.

We are also one of the only companies to develop our own modem firmware, which allows us to develop new features quicker and at a lower price for our customers. And Courier's Flash ROM and Flash DSP technology make it easy to add innovative new capabilities through simple, nondisruptive software downloads.

### **Upgrade As You Grow**

Consumer modems tend to have fixed configurations. When technology changes, such as breakthroughs in speed or improvements in security, you have no choice but to buy a new modem to upgrade.

As a business-class modem, the 3Com U.S. Robotics <sup>Courier</sup> V.Everything corporate modem provides true investment protection because it is based on Flash ROM and Flash DSP technology, so you can software-download new capabilities as they are developed.

### **Accommodate Any Business**

If you are a small office, you can use the V.Everything modem in conjunction with your company's telephone features. With one telephone line and the 3Com U.S. Robotics <sup>Courier</sup> V.Everything corporate modem, you can create a complete communications system.

If you're a larger organization or the satellite office of a large company, the 3Com U.S. Robotics <sup>Courier</sup> V.Everything corporate modem provides you with synchronous communications support for connection to legacy mainframes. It also incorporates a suite of remote management features that IT departments can use to troubleshoot problems or set configurations.

### **Communications solution**

Fax and data communications software is supplied.

### **Internet ready**

Internet and online trial software is supplied, once you have connected your modem you can have access to online services within minutes.



## Courier™ V. Everything™ Corporate Modem

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### Specifications

#### Specifications

BABT Approved  
CE marked

#### Compatibility

ITU-T V.90, up to 56 Kbps downloads  
x2™ technology, up to 56\* Kbps downloads  
ITU-T V.34 at 33,6 Kbps, 31,2 Kbps, 28,8 Kbps, and slower speeds  
ITU-T V.FC at 28,8 Kbps  
ITU-T V.32 terbo at 19,2 Kbps (21,6 Kbps between Couriers with ASL)  
ITU-T V.32 bis at 14,4 Kbps  
ITU-T V.32 at 9600 bps  
ITU-T V.22 bis at 2400 bps  
ITU-T V.22, V.23  
ITU-T V.21  
HST at 16,800 bps

#### Fax Compatibility

ITU-T V.17 at 14,4 Kbps  
ITU-T V.29 at 9600 bps  
ITU-T V.27 ter at 7200 bps  
EIA/TIA Class 1 and 2.0, Group III

#### Error Control

ITU-T V.42  
MNP 2-4  
U.S. Robotics HST

#### Data Compression

ITU-T V.42 bis  
MNP 5

#### Trellis Coded Modulation

Twice as effective as QAM, protects data against phone noise

#### Physical Dimensions

External: 6.375 in W, 10.3 in D, 1.337 in H  
Internal: PC ISA-bus half card

#### Ordering Information

V.90/X2/V.34 External

3175



All 56K products are capable of download speeds up to 56 Kbps, however due to varying line conditions the actual download speeds you experience may be lower. Requires connectivity to an analogue telephone line which is compatible with 56K technology. See 56K.3Com.co.uk for further details.

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More connected.™