CiscoPro 760 Product Family

CiscoPro™ products from Cisco Systems offer comprehensive access and workgroup solutions for businesses and individual users. All CiscoPro products combine the benefits of Cisco's industry-leading networking technology with the convenience of tailored solutions. CiscoPro solutions give you outstanding feature value in products that are easy to install, use, and manage.

CiscoPro 760 Series Delivers High-Speed Remote Access

CiscoPro 760 Series routers provide affordable, high-speed access to office LANs and the Internet for telecommuters, home offices, and small professional offices while minimizing the total cost of ownership for remote access services.
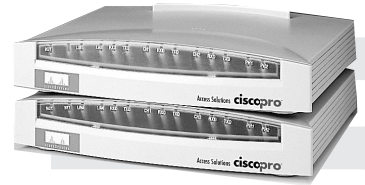
Cisco's intelligent bandwidth management features help manage the cost of the wide-area network connection. Each CiscoPro 760 series router includes an Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI) for throughput of 128 kilobits per second (kbps), and delivers up to 4:1 data compression for higher performance and reduced line costs.

The CiscoPro 760 series supports Cisco's dial on demand routing (DDR) feature, which transparently dials the ISDN line only when it is needed to transmit data, and then takes the connection down again when the data transmission is complete. Bandwidth on Demand based on the industry-standard Multilink Point-to-Point Protocol (MP) ensures that the full 128 kbps bandwith is available when needed to support heavy traffic loads.

Each CiscoPro 760 series router provides two analog telephone ports that allow standard telephones, fax machines, and modems to share the ISDN BRI line, eliminating the need for multiple telephone lines or expensive ISDN telephones. The CiscoPro 760 series also supports supplementary telephone services such as call waiting and call hold.

The CiscoPro CPA766 includes a built-in ISDN Network Termination 1 (NT1) device, eliminating the need to purchase an external NT1 and power supply for users in North America. The CPA765 is ideal for use in countries in which the telephone company provides the NT1 device.

The CiscoPro 760 series routers have been engineered to be easy to install, configure, and manage. Users can enter basic configuration parameters using a touch-tone telephone, and the included Connect-Pro software provides an intuitive Microsoft Windows-based graphical user interface for configuration and troubleshooting.

CiscoPro 760 Series Access Solutions provide affordable, high-speed ISDN access to office LANs and the Internet for telecommuters and home offices, and small professional offices.

Access Solutions

CISCO SYSTEMS

All CiscoPro 760 series routers ship pre-loaded with the standard Small Office/Home Office (SOHO) feature set, which is ideal for telecommuters or home offices with up to four devices on the directly-attached Ethernet LAN. The Remote Office (RO) feature set software upgrade is available for users who require support for more than four devices.

In addition, all CiscoPro 760 series routers can be managed remotely via the Simple Network Management Protocol (SNMP) and Telnet. Flash memory and TFTP downloading protect the customer's hardware investment and eliminate the expense of sending a technician to the remote site to perform software upgrades.

To protect your network resources from unauthorized access, the CiscoPro 760 series supports the PPP Password Authentication Protocol (PAP) and Challenge Handshake Authentication Protocol (CHAP). Access lists allow users to control which network devices and services can be accessed remotely, while PPP Callback and Caller ID authentication features provide an additional layer of security.

Customer Benefits

- Analog telephone interfaces eliminate the need for multiple telephone lines or expensive ISDN telephones.
- Using the Call Priority feature, CiscoPro 760 series routers can dynamically assign one or both ISDN B channels to incoming or outgoing analog calls, and then return the channels to data service when the call is complete.
- Touch-tone telephone configuration simplifies installation and basic configuration for non-technical users.
- Remote management via SNMP and Telnet control ongoing administration costs.
- Snapshot Routing prevents the ISDN line from being dialed only to exchange periodic routing updates.
- Multiprotocol routing supports IP and IPX protocols and concurrent bridging on a per-connection basis.
- MP enables standards-based bandwidth on demand and multivendor interoperability.
- DDR transparently dials the ISDN line only when it is needed and then automatically takes the connection down again.
- PAP, CHAP, PPP Callback, Caller ID, and access lists protect network resources from unauthorized access.
- Personal Network Profiles simplify access control and connections to multiple networks.

- Cisco ConnectPro software simplifies the process of installing, configuring, and managing CiscoPro 760 series routers.

Technical Specifications

Software

- LAN Support: IP routing, IPX routing, concurrent transparent bridging
- WAN Services: ISDN BRI, PPP, Combinet Packet Protocol (CPP), MP
- PPP: MP, LCP, BCP, IPCP, and IPXCP protocols
- IP Routing: RIP, RIPv2 with extensions for demand circuits, static routes
- IPX Routing: Novell RIP (Novell IPX Router Specification, Rev. A, 9/2/92)
- Management: SNMP, Telnet, console port.
- WAN Optimization: DDR, Bandwidth on Demand via MP, STAC data compression, Snapshot Routing, Demand RIP (RFC1582), IPX spoofing
- —Security: PAP, CHAP, access lists, local password, Caller ID, PPP Callback

Hardware

- Dimensions (HxWxD): 1.6 x 8.3 x 9.6" (4.1 x 21.1 x 24.4 cm)
- Weight: 1.6 - 1.7 lb (.7 - .75 kg)

Environmental

- Operating Temperature: 32° - 120° F (0° - 50° C)
- Storage Temperature: -30° - 160° F (-35° - 70° C)
- Humidity: 20 to 95%

Power Supply

- External table-top power supply:
- U.S. - 110VAC, 60 Hz
- U.K. and Singapore: 240 VAC, 50 Hz
- Continental Europe: 220 VAC, 50 Hz
- Japan: 100 VAC, 50/60 Hz

Front Panel LEDs

- System: RDY; NT1 (766), LINE;
- Ethernet: LAN, RXD, TXD
- Channel 1: CH1, RXD, TXD
- Channel 2: CH2, RXD, TXD
- Telephone: PHONE 1 and PHONE 2

Regulatory Approvals

- CE: IEC 801-2, 801-3, 801-4, 801-5
- CISPRB, CSA, EN41003, EN60950

- FCC Part 15 Class B, Part 68
- JATE, ST/PAB/ETR/384, TUV, UL VCCI 1
- UL1459, 1950/IEC950

ISDN BRI Support

- 2B + 1D channels: 2x64 kbps (pre-compressed)
- Interoperable Switched 56: 2x56 kbps (pre-compressed)
- Single and multipoint configurations
- Compatible with data or voice B channel

ISDN Switch Types

- AT&T 5ESS
- Northern Telecom DMS-100
- National ISDN-1 (NI-1)
- I-CTR3 (ETSI, NET/3)
- VN3/4/5 (France)
- 1TR6 (Germany)
- INS, HSD 64 and 128 (Japan)
- TPH (Australia)

Analog Telephone Support

- Telephones: Tone only (no pulse)
- Group III Facsimile: V.17, V.27, V.29
- Modems: V.22, V.22bis, V.32, V.32bis, V.34
- Dial tone (425 Hz) provided outside of North America
- Ringer Equivalency Number (REN) = 5

Ethernet Support

- AUI (10Base5)
- 10BaseT

For more information on CiscoPro, contact:
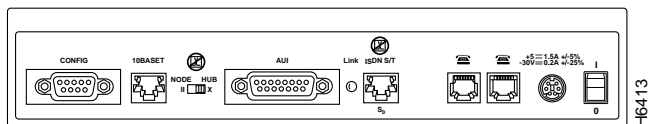
U.S. and Canada: 800 GO CISCO
Europe: 32 2 778 4742
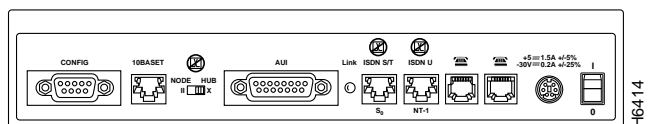Australia: 612 9935 4107
Other: 408 526-7209
Or contact your local Cisco office.

World Wide Web URL: http://www.cisco.com

CPA765 backpanel

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