



The remote router for SOHO networks features an ISDN interface and options of IP, IPX routing and transparent bridging. An auto-sensing 10/100Mbps LAN connection is provided.

ISDN Router for SOHO Networks

With D-Link's SOHO router, gaining the power and speed of ISDN for the network has never been simpler and more cost-efficient. This router is the complete solution for ISDN. Applications such as Internet/Intranet access, Wide Area Networking, Electronic Commerce and Remote Network Access are just some of the benefits this device can add to the network.

High-Speed Remote Link

The router provides 1 BRI with 2 channels, each transmitting at 64Kbps. With data compression, transmission can be at up to 512Kbps, giving the SOHO or branch office the ideal high-speed WAN link.

Remote User Support

The router provides remote network access through ISDN. This allows for 2 users to login simultaneously from 2 different locations.

Internet Tool Kit

The router comes with a kit containing powerful and useful tools to access the Internet and related documents. Included in this kit are a Web Configurator, Java Activator, Microsoft Internet Explorer 4.x, Netscape Communicator 4.x, Navigator 4.x, WinZip 6.3, WS_FTP, NetInfo 2.1 and Acrobat Reader 3.0.

Robust Security Features

Many security features are added to provide a secured network environment. Features such as passwords for the system management terminal, PAP, CHAP, MS-CHAP protocols for remote access users, and firewall filtering for access control are provided. Up to 8 passwords

protect accounts for remote administrators. RADIUS provides a solution to centralizing authentication for remote access.

Network Address Translator (NAT)

The router comes with Network Address Translator (NAT) which allows the network to support a large number of users from a single shared IP address for cost savings and enhanced security.

10/100Mbps Auto-sensing LAN Port

LAN connection is via a 10/100Mbps port supporting both Ethernet and Fast Ethernet. This port auto-senses the LAN speed and adjusts itself completely without the need for users to configure.

1 ISDN interface, 1 NWay 10/100Mbps LAN port

Routing protocols: IP and IPX

Local and remote configuration via Telnet

Setup Wizard for easy Internet and WWW server configuration

Network Address Translator enables simultaneous use of one IP address

IP pool with dynamic IP address assignment for remote users

Allows simultaneous connections to 2 different locations via ISDN

Connect-on-demand with protocol spoofing

IP and IPX spoofing

Bandwidth-on-demand with BACP/BAP

Key Features

- PPP/MP protocol for 128Kbps
- DHCP server
- Transparent bridging
- PAP/CHAP/MS CHAP authentication protocols
- ISDN leased line support
- Hi/fnTM LZS (Stac) compression
- Black List, Budget and History supported
- SNMP manageable
- Choices of S/T and U interfaces
- Upgradable flash EPROM firmware
- Proxy ARP, RIP-2, RADIUS
-



Remote Router

Technical Specifications

LAN

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation

LAN Protocol
CSMA/CD

Number of Ports

1 10/100Mbps Ethernet/Fast Ethernet port

Data Transfer Rates

- Ethernet:
 - 10Mbps (half-duplex)
 - 20Mbps (full-duplex)
- Fast Ethernet:
 - 100Mbps (half-duplex)
 - 200Mbps (full-duplex)

Network Cables

- 10BASE-T:
 - 2-pair UTP Cat. 3, 4, 5 (100 m)
 - EIA/TIA-568 100-ohm screened twisted-pair (STP) (100 m)
- 100BASE-TX:
 - 2-pair UTP Cat. 5 (100 m)
 - EIA/TIA-568 100-ohm screened twisted-pair (STP) (100 m)

LED Readout

- Power
- Test
- ISDN
 - Link
 - B1
 - B2
- LAN
 - 10/100
 - Link/Act
 - FDX/Col

WAN

WAN Protocols

- Standard PPP/Multi-link PPP
- X.75 and V.120 B-Channel Protocols

ISDN Interface

- 1 ISDN BRI:
 - 64Kbps B channel x 2
 - 16Kbps D channel x 1

ISDN Network Compatibility

- Standard BRI S/T or U interface
- Europe and Asia: supports DSS1, 1TR6, INS-NET6, NET3, EuroISDN and Taiwan DGT switches, Siemens EWSD switches
- North America: supports AT&T SESS, Northern Telecom DMS-100 and Siemens EWSD switches
- Supports IOC capability package "S" and EZ-ISDN 1

Data Compression

- Hi/fnTM LZS (Stac)
- Ratio: 4 to 1

Routing

IP Packet Routing

TCP/IP with RIP and RIP-2, static routing, spoofing

IPX Packet Routing

Novell IPX with RIP and RIP-2, SAP, spoofing (DI-300M, DI-300MW only)

Bridging

- 802.1d Spanning Tree (DI-300M, DI-300MW only)
- Transparent MAC-layer bridging (DI-300M, DI-300MW only)

Other Protocols

- UDP, TCP, NAT, DHCP, BAP/BACP, ICMP, ARP, Proxy ARP, L2TP

Management

Standards

SNMP

MIBs

MIB-II

Console port

DB-9 RS-232 DCE x 1

Security

- PAP, CHAP and MS-CHAP
- Firewall filtering
- Administrative password
- RADIUS

Physical & Environment

DC Input:

External AC power adapter 12V 500mA unregulated or regulated

Power Consumption

3.5 watts max

Ventilation

No fan required

Operating Temperature

0 - 50 °C (32 - 122 °F)

Storage Temperature

-25 - 55 °C (-13 - 131 °F)

Humidity

5% - 95% non-condensing

Dimensions

190mm x 116mm x 30.78mm
(7.5" x 6.25" x 1.2")

Weight

325g (11.56 oz.)

Emissions (EMI)

- FCC Class A
- CE Mark
- VCCI Class A
- C-Tick

Safety

- UL (UL1950)
- CSA (CSA950)

ISDN Certification

- EC D133599J
- JATE T97-0249-0
- TAIWAN I87-5003-0 (DI-300), I87-5004-0 (DI-300M)
- ACN 052 202 838



Ordering Information

Remote Router

(All models come with 1 10/100Mbps LAN port)

| | |
|----------|--|
| DI-300 | ISDN S/T interface, IP routing |
| DI-300W | ISDN U interface, IP routing |
| DI-300M | ISDN S/T interface, IP/IPX routing, bridging |
| DI-300MW | ISDN U interface, IP/IPX routing, bridging |

* S/T interface requires external NT-1 device
 ** ISDN interface differs according to countries, please specify your country code as follows:

| | |
|-----|-----------------|
| /US | for USA, Canada |
| /SG | for Singapore |
| /TW | for Taiwan |
| /UK | for UK |
| /DE | for Germany |
| /JP | for Japan |
| /AU | for Australia |
| /CN | for China |
| /ID | for India |

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| U.S.A. | TEL: 1-949-788-0805 | FAX: 1-949-753-7033 |
| Canada | TEL: 1-905-828-0280 | FAX: 1-905-828-5669 |
| Europe | TEL: 44-181-235-5555 | FAX: 44-181-235-5500 |
| U.K. | TEL: 44-181-235-5555 | FAX: 44-181-235-5500 |
| Germany | TEL: 49-6192-97110 | FAX: 49-6192-97111 |
| France | TEL: 33-1-30.23.86.88 | FAX: 33-1-30.23.86.89 |
| Italy | TEL: 39-2-2900-0676 | FAX: 39-2-2900-1723 |
| Sweden | TEL: 46-8-700.62.11 | FAX: 46-8-21.96.40 |

| | | |
|-----------|----------------------|----------------------|
| Denmark | TEL: 45-43-96.90.40 | FAX: 45-43-42.43.47 |
| Singapore | TEL: 65-774-6233 | FAX: 65-774-6322 |
| Australia | TEL: 61-2-9417-7100 | FAX: 61-2-9417-1077 |
| Japan | TEL: 81-3-5434-9678 | FAX: 81-3-5434-9868 |
| China | TEL: 86-10-68467106 | FAX: 86-10-68467110 |
| India | TEL: 91-22-617-2478 | FAX: 91-22-617-2476 |
| Taiwan | TEL: 886-2-2916-1600 | FAX: 886-2-2914-6299 |