



DI-300M remote router for SOHO networks featuring an ISDN S/T interface, IP and IPX routing, and transparent bridging. An NWay 10/100Mbps dual-speed LAN connection with full/half duplex support is provided.

ISDN Routers for SOHO Networks

With D-Link's SOHO remote routers gaining the power and speed of ISDN for networks has never been simpler and more cost-efficient. These routers are 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 these devices can add to the network.

Advanced NWay Support

Each router comes with a dual speed NWay port that can automatically adjust to Ethernet/Fast Ethernet and full or half duplex devices plugged into it without the need for configuration.

High-Speed Internet Access

When it comes to quality Internet access, the remote router series provides the ideal high speed Internet access solution for branch office or SOHO. ISDN is over four times faster than a normal modem connection. The remote router also supports Network Address Translator (NAT) which allows for multiple users to simultaneously access the Internet using the same IP address. This cuts cost by having users pay for only one IP address from the Internet Service Provider.

Network Address Translator (NAT)

The remote routers support 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.

Remote User Support

The remote router series provides remote network access through ISDN. This allows for two users to login simultaneously from two different locations. Administrators can create an IP pool with dynamic IP assignment for remote users as needed. Remote users are free to choose from Windows 95/NT, and/or software packages that allow for PPP support.

Robust Security Features

Many security features have been added to provide a secure network environment. Features such as password protection for the system management terminal, PAP, CHAP, MS-CHAP protocols are supported for remote access users, and customizable firewall filtering for controlled access to and from the network. Up to 8 password protected accounts for remote administrators, which allow for network control via Telnet. RADIUS provides a solution to centralizing authentication for remote access.

Key Features

- 1 ISDN interface, 1 NWay 10/100Mbps LAN port
- Control local and remote console via Telnet
- Provides remote and Internet access via ISDN
- Setup Wizard for easy Internet and WWW server configuration
- Network Address Translator enables simultaneous use of 1 IP address
- IP pool with dynamic IP assignment for remote users
- Allows simultaneous connections to two different locations via ISDN
- Connect-on-Demand with Protocol Spoofing
- and IPX spoofing
- Routing protocols: IP, IPX (DI-300M)
- Bandwidth-on-demand with BACP/BAP
- PPP/MP protocol for 128Kbps
- DHCPserver
- Transparent bridging (DI-300M)
- PAP/CHAP/MS CHAP authentication protocols
- ISDN leased line support
- Hi/fn™ LZS (Stac®) compression
- Black List, Budget and History
- SNMP manageable (DI-300M)
- S/T and U interface support
- Upgradable flash EPROM firmware
- Proxy ARP, RADIUS, RIP-2



Technical Specifications

LAN

Standards

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

LAN Protocol

CSMA/CD

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:
 - 4-pair UTP Cat. 5 (100 m)
 - EIA/TIA-568 100-ohm screened twisted-pair (STP) (100 m)

Number of Ports

1 NWay RJ-45 port

LED Readout

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

Full/Half Duplex

Auto-negotiation

WAN

WAN Protocol

- 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, and Taiwan DGT switches, and Siemens EWSD switches
- North America: Supports AT&T 5ESS, Northern Telecom OMS-100, and Siemens EWSD switches
- Supports IOC capability package "S" and EZ- ISDN 1

Data Compression

- Hi/fn™ LZS (Stac®)
- Ratio: 4 to 1

Routing

IP Packet Routing

TCP/IP with RIP and RIP-2, static routes, Spoofing

IPX Packet Routing

-Novell IPX with RIP and RJP-2, SAP, Spoofing (DI-300M)

Bridging

- 802.1d Spanning Tree (DI-300M)
- Transparent MAC-Jayer bridging (DI-300M)

Other Protocols

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

Management

Standards

SNMP (DI-300M)

MIBs

MIB-11

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

3,5W max.

Ventilation

Fanless

Operating Temperature

0° - 50° C (32° - 122° F)

Storage Temperature

-30° - 60° C (-22° - 140° F)

Humidity

10% -90% non-condensing

Dimensions

190mm x 116mm x 30.78mm (7.5"x6.25"x1.2")

Weight

325g (1156 oz.)

Emissions (EMI)

- FCC Class A
- CE Mark
- VCCI

Safety

- UL (UL 1950)
- CSA (CSA950)
- TUV/GS (EN60950)

Ordering Information

SOHO Remote Routers

DI-300	1 ISDN S/T interface, IP (external NT-I device required)
DI-300M	1 ISDN S/T interface, IP, IPX, bridging (external NT -I device required)

D-Link

www.dlink.se

D-Link Sweden AB

P.O. Box 15036
 S-167 15 Bromma
 Sweden
 Phone: +46 (0)8-564 619 00
 Fax: +46 (0)8-564 619 01

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