D-Link®

Remote Routers

DI-300M remote router for SOHO networks featuring and 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 then a normal modem connection. The remote router also supports Network Address Translator(NAT) which allows for multiple users t o 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, P   AP, 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
- Iand IPX spoofing
- Routing protocols : IP, IPX (DI-300M, DI-300MW)

- Bandwidth-on-demand with BACP/BAP
- PPP/MP protocol for 128Kbps
- DHCP server
- Transparent bridging (DI-300M, DI-300MW)
- PAP/CHAP/MS CHAP authentication protocols
- ISDN leased line support
- Hi/fn™ LZS (Stac)®compression
- Black List, Budget and History
- SNMP manageable (DI-300M, DI-300MW)
- S/T and U interface support
- Upgradable flash EPROM firmware
- Proxy ARP, RADIUS, RIP-2

ROUTER

Remote Routers

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 DMS-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 RIP-2, SAP, Spoofing (DI-300M, DI-300MW)

Bridging

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

Other Protocols

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

Management

Standards
SNMP (DI-300M, DI-300MW)

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
3.5W 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" x 6.25" x 12")

Weight
325g (11.56 oz.)

Emissions (EMI)
- FCC Class A
- CE Mark
- VCCI

Safety
- UL (UL1950)
- CSA (CSA950)
- TUV/GS (EN60950)

Ordering Information

SOHO Remote Routers
DI-300   1 ISDN S/T interface, IP (external NT-I device required)
DI-300W   1 ISDN U interface, IP
DI-300M   1 ISDN S/T interface, IP, IPX, bridging (external NT-I device required)
DI-300MW 1 ISDN U interface, IP, IPX, bridging

Please specify one the following after each model number. If nothing is specified, a 120VAC American standard UL/CSA approved AC power adapter will be included.

/U   For no AC power adapter
/E   For a 220V German-standard plug VDE approved AC power adapter
/B   For a 240V U.K. plug BSI approved AC power adapter
/J   For a 100V Japanese T-mark approved AC power adapter
/M For a 240V Chinese AC power adapter

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RECYCLABLE

Country	TEL	FAX
U.S.A.	800-326-1688	
Canada	1-905-828-0260	1-905-828-5669
Europe	44-181-235-5555	44-181-235-5500
U.K.	44-181-235-5555	44-181-235-5500
Germany	49-6192-97110	49-6192-971111
France	33-1-30.23.86.88	33-1-30.23.86.89
Sweden	46-8-700.62.11	46-8-21.96.40
Denmark	45-43-96.90.40	45-43-42.43.47
Australia	61-2-9417-7100	61-2-9417-1077
Japan	81-3-5434-9678	81-3-5434-9868
New Zealand	64-9-488-0502	64-9-488-0565
Singapore	65-774-6233	65-774-6322
China	86-10-68467106	86-10-68467110
India	91-22-617-2478	91-22-617-2476
Taiwan	886-2-916-1600	886-2-914-6299