D-Link®

Remote Router

All-in-one functions: the remote router's back panel shows an ISDN WAN port, 6 LAN hub ports and 2 analog phone jacks. The hub ports permit instant connection to 6 workstations. The phone jacks allow voice talk over the ordinary phone and connection to a fax machine. The front panel shows extensive diagnostic LEDs.

ISDN Router With Built-in Hub 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.

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.

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.

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

Built-in Ethernet Hub
The router has 6 Ethernet hub ports built into it to provide SOHO users with an all-in-one solution for Internet connection. The built-in hub feature saves users the time and trouble of purchasing and installing a separate hub by allowing 6 separate workstations to directly connect to the router.

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.

Key Features

- 1 ISDN interface, 6 Ethernet hub ports
- 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

- PPP/MP protocol for 128Kbps
- DHCP server
- Trans parent 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

ROUTER

Remote Router

Technical Specifications

LAN

Standard
IEEE 802.3 10BASE-T Ethernet

LAN Protocol
CSMA/CD

Data Transfer Rate
10Mbps (half duplex)

Network Cables
- 2-pair UTP Cat. 3, 4, 5 (100m)
- EIA/TIA-568 100-ohm screened twisted-pair
  (STP) (100m)

Number of Ports
- 6 Ethernet hub ports
- 2 analog phone ports

LED Readout
- Power
- Test
- ISDN
  Link
  B1
  B2
- LAN
  Link/Act
  Collision
  LAN ports 1, 2, 3, 4, 5
  Uplink
- Phone 1,2

WAN

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

ISDN Interface
1 ISDN BRI port:
- 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 5ESS, Northern
  Telecom DMS-100, 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-106M and DI-106MW only)

Bridging

- 802.1d Spanning Tree
  (DI-106M and DI-106MW only)
- Transparent MAC-layer bridging
  (DI-106M and DI-106MW only)

Other Protocols

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

Management

Standards
- SNMP
- 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 DC power adapter: 18V 750mA
unregulated or regulated

Power Consumption
8.5 watts max.

Ventilation
No fan required

Operating Temperature
0 - 50 $^\circ$C (32 - 122 $^\circ$F)

Storage Temperature
-25 - 55 $^\circ$C (-13 - 131 $^\circ$F)

Humidity
5% - 95% non-condensing

Dimensions
218mm x 130mm x 39mm
(8 5/8" x 5 1/4" x 15 3/8")

Weight
- DI-106, DI-106M: 506 grams (18 oz.)
- DI-106W, DI-106MW: 551 grams (19.6 oz.)

Emissions (EMI)
- FCC Class B
- CE Mark
- VCCI Class B
- C-Tick

Safety
UL (UL1950)
CSA (CSA950)

ISDN Certification
- EC D133599J
- JATE T97-0248-0
- TAIWAN I87-5007-0 (DI-106 only)
- ACN 052 202 838

Ordering Information

Remote Router
(All models come with 6 hub ports, 2 POTS ports)

Model	Description
DI-106	ISDN S/T interface, IP routing
DI-106W	ISDN U interface, IP routing
DI-106M	ISDN S/T interface, IP/IPX routing, bridging
DI-106MW	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:

Code	Country
/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

Region	TEL	FAX
U.S.A.	TEL: 1-949-788-0805	FAX: 1-949-753-7033
Canada	TEL: 1-905-828-0260	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: 49-6192-971111
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