



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.

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

### Key Features

- Bandwidth-on-demand with BACP/BAP
- 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

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 °C (32 ° - 122 °F)

Storage Temperature  
-25 ° - 55 °C (-13 ° - 131 °F)

Humidity  
5% - 95% non-condensing

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

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)  
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:

/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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