D-Link®

AirPro

—— DI-764

Up to 5X Faster

Dualband

Up to 2X Faster

Internet gateway with built-in dual-band wireless LAN Access Point and 4 10/100Mbps switch ports.

Multimode 802.11a/b+ Wireless Cable/DSL Router With 4-Port Switch

The DI-764 AirPro is a Multimode Wireless Broadband Internet Gateway for IEEE 802.11a and 802.11b wireless users to share Internet connection. It provides an impressive high-speed performance and connection for wireless users on both the 5GHz and 2.4GHz frequency bands at enhanced speeds of up to 72Mbps and 22Mbps respectively. This multimode wireless device also gives you advanced firewall and security functions for users protection, plus a built-in 4-port Fast Ethernet switch for seamless integration with servers and workstations on a wired network.

Simplified, Cost-saving Broadband Internet Connection

The DI-764 is designed for the office and public sites like hotels, airport lounges and convention halls. It allows easy sharing of broadband Internet through a DSL or cable modem from anywhere without the need for wiring. At the public sites, paying customers wishing to access the Internet can be easily added to your network. To let everybody logon, this device automatically creates and assigns an IP number for each user, simplifying every one's logon operation.

Ready Connection

With built-in wireless LAN and 10/100Mbps switch, the DI-764 provides ready connection for mobile users, workstations and servers, with or without the network wires. The built-in functions save you the cost and trouble of installing a separate wireless LAN and Ethernet switch.

Dual-band Wireless Access

The DI-764 gives wireless users access to the Internet and your network servers no matter if their laptops or PDAs are equipped with 802.11a or 802.11b wireless interfaces. Furthermore, wireless users operating on different 5GHz and 2.4GHz frequency bands can also communicate with each other as if they were using the same network type. The DI-764 gives 802.11a users network speeds of up to 72Mbps Turbo mode, and 802.11b users 22Mbps enhanced speed. Users with 11Mbps 802.11b equipment can also operate with the DI-764 transparently.

Network Security

The DI-764 provides NAT protection for your office and home users from Internet intruders and hacker attacks, plus VPN pass-through for extra security. It blocks and re-directs certain ports to limit the services that outside users can access your network. Virtual Server Mapping is used to re-task services to multiple servers. The DI-764 can be set to allow separate FTP, Web, and Multiplayer game servers to share the

same Internet-visible IP address while still protecting your servers and workstations from hackers. Protection for 802.11b wireless users is provided through a 256-bit strong WEP data encryption scheme. For 802.11a, it's 152-bit WEP encryption.

Policy-based Content Filters

Easy-to-apply content filters can be set based on MAC address, IP address, URL and/or domain name and scheduled to be in effect at certain hours of the day.

DMZ Host to Open Public Domain

You can configure any of the built-in LAN ports to function as a DMZ port. A DMZ setting can be applied to a single client (such as a Web server) behind the router to fully expose it to the Internet and ensure complete Internet application compatibility even if the specific port is not known. This allows you to set up web sites and e-commerce business from your office while maintaining protection for the rest of your office LAN.

UPnP Enabled for Compatibility

The DI-764 is designed for easy and robust connectivity among heterogeneous standards-based network devices. Computers can communicate directly with the DI-764 for automatic opening and closing of UDP/TCP ports to take full advantage of security provided without sacrificing functionality of on-line applications.

Network Time Protocol (NTP) Support

The DI-764 supports the Network Time Protocol (NTP), allowing you to install a time server behind the router to symchronize time for your network environment. This protects you from the risks inherent in obtaining Internet, minimizes security risks from the outside, and maximizes time accuracy on your network.

Features

- Wireless or wired Internet access through a broadband modem
- Cable/DSL modem Internet sharing
- Built-in 4-port Fast Ethernet switch
- Integrated 5GHz and 2.4GHz dual-band 802.11a/b+ standard wireless LAN
- 802.11a wireless speeds up to 72Mbps
- 802.11b+ 22Mbps enhanced wireless speed
- Policy-based content filtering

- Virtual Private Network (VPN) pass-through support
- 256-bit (802.11b+), 152-bit (802.11a) WEP data encryption for wireless users
- DMZ and Virtual Server Mapping support
- Network Time Protocol support
- Web-based and Telnet configuration
- SNMP agent & built-in MIBs for management on third-party platforms

DI-764

Technical Specifications

General

WAN Interface
- 1 RJ-45 10BASE-T/100BASE-TX port for DSL/cable modem connection
- Supports PPPoE, PPPoA for dial-up DSL connection to save ISP charge

LAN Interfaces
- Built-in 802.11a/b+ wireless LAN
- Built-in 4-port 10BASE-T/100BASE-TX 10/100Mbps switch

Memory
- SDRAM: 2MB
- Flash memory: 512KB

RFC Support
- RFC 0768 User Datagram Protocol
- RFC 0791 Internet Protocol
- RFC 0792 Internet Control Message Protocol
- RFC 0793 Transmission Control Protocol
- RFC 0821 Simple Mail Transfer Protocol
- RFC 0826 Ethernet Address Resolution Protocol
- RFC 1058 Routing Information Protocol
- RFC 1112 IGMP v1 (for UPNP and IAPP functions)
- RFC 1157 Simple Network Management Protocol
- RFC 1213 Management Information Base-II (MIB II)
- RFC 1332 PPP Internet Control Protocol
- RFC 1350 TFTP Protocol (Reversion 2)
- RFC 1514 Dynamic Host Configuration Protocol
- RFC 1631 IP Network Address Translator
- RFC 1661 Point-to-Point Protocol (PPP)
- RFC 1723 RIP-2 Carrying Additional Information
- RFC 1945 Hypertext Transfer Protocol HTTP/1.1 (subset)
- RFC 1994 PPP Challenge Handshake Authentication Protocol (CHAP)
- RFC 2132 DHCP Options and BOOTP vender Extensions
- RFC 2516 PPP Over Ethernet (PPPoE)

IP Number Self-identification
Through DHCP client

Configuration & Management
- Web-based configuration
- Telnet configuration
- SNMP agent with built-in MIB-II
- Network Time Protocol (NTP) support
- UPnP support
- Factory reset (through reset button)

Firmware Upgrade
Through TFTP

Router

Routed Packet Type
IP packets

Routing Protocols & Methods
- RIP-1, RIP-2
- Static Routing
- Dynamic Routing

VPN Support
IPSec pass-through

Internet Gateway Functions
- Network Address Translation (NAT)
- DHCP server (for automatic IP assignment)

Number of Virtual Server Mappings
10 entries

Built-in Wireless LAN

Standards
802.11a/b+

Frequency Range
- 802.11a: 5.15 - 5.825 GHz
- 802.11b+: 2.4 - 2.4835 GHz

Data Rates
- 802.11a: up to 54Mbps non-Turbo, 72Mbps Turbo mode
- 802.11b+: up to 22Mbps

Antennas
- 1 5dBi Gain dipole fixed external antenna for 5GHz transmission
- 1 embedded antenna for 5GHz transmission
- 1 2dBi Gain dipole fixed external antenna for 2.4GHz transmission
- 1 embedded antenna for 2.4GHz transmission

RF Transmit Output Power
- 802.11a: 14 - 17 dBm
- 802.11b+: 16 - 18 dBm

Operating Range
- Up to 100 m (328 feet) indoors
- Up to 400 m (1,312 feet) outdoors

Security
- 802.11a data encryption: 64-bit, 128-bit, 152-bit WEP
- 802.11b+ data encryption: 64-bit, 128-bit, 256-bit WEP
- User-definable node access control list

Built-in Fast Ethernet Switch

Number of Ports
4 10/100Mbps switch ports

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

Supported Functions
- Full/half duplex (per port)
- MDI-II/MDI-X auto uplink (per port)
- Auto correction of twisted-pair Rx reverse polarity (per port)

Flow Control
- IEEE 802.3x Flow Control in full-duplex
- Back pressure in half-duplex

Transmission Method
Store-and-forward

MAC Address Learning
Automatic update

Physical & Environmental

Diagnostic LEDs
- Power (status)
- M1 (system ready)
- M2 (system initial/backup/firmware download)
- WAN (Link/Activity)
- 802.11a WLAN (status)
- 802.11b WLAN (status)
- 1, 2, 3, 4 LAN ports (Link/Activity)

Power Input
- DC 5V 3A
- Through external AC power adapter

Dimensions
235 x 161 x 35 mm

Weight
810 grams

Operating Temperature
0° - 55°C

Storage Temperature
-20° - 65°C

Humidity
95% maximum non-condensing

EMI Certification
- FCC Class B
- CE Class B

Safety Certification
- UL

Compatibility
Wi-Fi ™

Ordering Information

Multimode Wireless Broadband Internet Gateway
DI-764   10/100Mbps port (for DSL/cable modem connection)
802.11a/b+ wireless LAN, 4 10/100Mbps switch ports

Please specify your order as follows:

CDI-764	Canada standard AC power adapter, Canada frequency
DI-764/BEU	UK standard AC power adapter, EU frequency
DI-764/EEU	EU standard AC power adapter, EU frequency
DI-764/CN	AC power adapter/frequency for China
DI-764/NAU	AC power adapter/frequency for Australia
DI-764/ESG	AC power adapter/frequency for Singapore
DI-764/ATW	AC power adapter/frequency for Taiwan

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Canada	TEL: 1-905-829-5033	FAX: 1-905-829-5095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
U.K.	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-61- 96779900	FAX: 49-61-967799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-204-5740	FAX: 31-10-204-5880
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8-564-61900	FAX: 46-(0)8-564-61901
Norway	TEL: 47-22-991890	FAX: 47-22-205700
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-010-8518-2533	FAX: 86-010-8518-2250
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 202-6244615	FAX: 202-6244583
South America	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
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Rev. 02 (Dec. 2002)
Printed in Taiwan