D-Link®

Air

DI-514

802.11b Wireless Cable/DSL Router
With Built-in 4-Port Switch

The D-LinkAir DI-514 is the ideal networking solution for small business, workgroups, home offices, and schools. This wireless router combines the proven stability of 802.11b wireless technology and D-Link's robust firewall security features. It's an ideal device for those creating their first wireless networks, as well as for more advanced users looking for additional management settings and policy-based content filtering.

Easy Configuration
A simple yet intelligent, web-based setup wizard makes the DI-514 easy for users to quickly and securely connect computers to share a high-speed Internet connection, files, resources, games or just to communicate.

Integrated Fast Ethernet Switch & Wireless LAN
An integrated 4-port switch allows direct connection of up to 4 computers. Multiple wireless clients can also securely connect to the network using 64-bit or 128-bit WEP encryption.

Advanced Built-in Firewall
Filters can be set based on MAC address, IP address, URL and/or Domain Name. Additional advanced features include pass-through of multiple concurrent IPSec and PPTP VPN sessions for telecommuters or for anyone who needs to transmit sensitive information more securely.

Key Features

- *Remote router with 802.11b wireless LAN interface*
- *Cable/DSL modem Internet sharing*
- *10/100BASE-TX port for DSL/cable modem connection*
- *WAN port supports dial-up mode to save ISP connection fee*
- *4 built-in 10/100BASE-TX switch ports with auto MDI/MDIX support*
- *Stateful Packet Inspection (SPI)*
- *Multi-sessions with VPN pass-through*
- *Scheduling and user level control*

- *URL blocking, domain filtering*
- *Intrusion detection, security event log*
- *DMZ and Virtual Server Mapping support*
- *Wireless LAN allows connection up to 100 meters indoors, 300 meters outdoors **
- *Network Time Protocol support*
- *Web-based configuration, Windows-based utility*
- *Setup wizard for quick installation*

* Environmental factors may adversely affect range

DI-514

Technical Specifications

LAN & WAN Interfaces

WAN Interface
- 10/100BASE-TX Ethernet port
- Supports DSL and cable modem connection
- Supports "Always-on" (bridged) and PPPoE for PPP connection on demand

LAN Interface
- 4 10/100BASE-TX Ethernet ports with auto MDI/MDIX support
- 802.11b wireless LAN

Diagnostic LEDs
- Power
- Status
- WAN port (Link/Activity)
- WLAN (Link/Activity)
- 1, 2, 3, 4 LAN ports (Link/Activity)

Router & Firewall
Routed Packet Type
IP packets

Routing Protocols
- RIP-1, RIP-2
- Static Routing

VPN Support
L2TP, PPTP, IPSec pass-through

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

Number of DMZ Ports
1 port (user-assignable to any LAN port)

Number of Virtual Server Mappings
13 entries

Firewall & Security
- Stateful Packet Inspection (SPI)
- Ping of Death prevention
- Intrusion Detection
- Security event log

Router Access Control
- User-level Access List Control (ACL)
- Scheduling support
- PAP, CHAP protocol support

Internet Access Control
- Domain filtering
- URL filtering

Configuration & Management
- Web-based configuration utility
- PC Utility supporting Windows 98SE, ME, 2000, XP
- Network Timing Protocol (NTP) support
- UPnP support
- Status log

Firmware Upgrade
TFTP

Built-in Wireless LAN

Transmission Technology
DSSS

Modulation Techniques
BPSK, QPSK, CCK

Data Rates
- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps
- Auto fallback

Data Rate & Modulation Scheme
- 11Mbps: CCK
- 5.5Mbps: CCK
- 2Mbps: DQPSK
- 1Mbps: DBPSK

Operating Channels
- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13
- Japan (MKK): 14

Frequency Range
2.4 to 2.4835 GHz

Frequency Stability
+/- 125 ppm

Antennas
- 1 external detachable dipole antenna (reverse SMA connector)
- 1 internal antenna

Receive Sensitivity
(typical PER (Packet Error Rate) < 8% packet size 1024 @ 25 $^{\circ}$C +/- 5 $^{\circ}$C)
- 11Mbps < -82dBm (CCK)
- 5.5Mbps < -84dBm (CCK)
- 2 Mbps < -87dBm (DQPSK)
- 1 Mbps < -90dBm (DBPSK)

Transmit Output Power
15dBm to 17dBm (typical)

Wireless LAN Operation Range (Open Environment)
- Indoors: Up to 100 meters *
- Outdoors: Up to 300 meters *

Environmental factors may adversely affect operating range

Wireless LAN Data Encryption
64, 128-bit WEP (Wired Equivalent Privacy) encryption

Physical & Environmental

Power Input
5V DC/2.5A, through 100VAC to 240VAC external power adapter

Dimensions
142 (L) x 109 (W) x 31 (H) mm (5.6 x 4.3 x 1.22 inches) (device only)

Weight
200 grams (0.44 pound) (device only)

Operation Temperature
0° to 55 $^{\circ}$C

Storage Temperature
-20° to 70 $^{\circ}$C

Humidity
5% to 95% RH non-condensing

Emission (EMI) Certification
- FCC Part 15 Class B, Sec. 15.247, 15.109
- ETS 300 328, ETS 301 489-1&17, CE mark
- EN 60950, EN 55022 Class B, EN 50082-1 1998

Box Includes
- DI-514 router
- External power adapter
- Ethernet cable
- Quick Installation Guide
- Manual on CD

2.4GHz Wireless Broadband Router

Ordering Information

2.4GHz Wireless Router
DI-514   1 10/100BASE-TX port (for DSL/cable modem connection)
802.11b wireless LAN
4 10/100BASE-TX switch ports

Please specify your order as follows:

BDI-514	For use in USA
CDI-514	For use in Canada
TDI-514	For use in Taiwan
DI-514/CN	For China
DI-514/ANA	North America type power adapter, North America frequency
DI-514/BEU	UK standard power adapter, EU frequency
DI-514/EEU	EU standard power adapter, EU frequency
DI-514/NEU	Australia standard adapter, EU frequency
DI-514/ENA	EU standard power adapter, North America frequency

D-Link®

U.S.A	TEL: 1-949-788-0805	FAX: 1-949-753-7033
Canada	TEL: 1-905-8295033	FAX: 1-905-8295095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
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: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX:90-212-335-2500
Chile	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-737-3389	FAX: 7-095-737-3390
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

RECYCLABLE
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