D-Link®

AirPlus Up to **2X** Faster

—— DI-714P+

22 Mbps enhanced speed wireless broadband router.

802.11b+ Wireless Cable/DSL Router With 4-Port Switch & Print Server

The DI-714P+ AirPlus Wireless broadband Internet Gateway lets you quickly and easily share DSL or cable modem Internet connection, with or without the network wires. Incorporating a 802.11b+ wireless LAN Access Point with enhanced 22Mbps speed, 4-port Fast Ethernet Switch and Print Server, this router gives you everything you need to cost-effectively install a secure, fast and convenient network with bottleneck-free link to the outside world.

Simplified, Cost-saving Broadband Internet Connection

The DI-714P+ is designed for the office and public areas 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 Access Point, 10/100Mbps switch and print server functions, the DI-714P+ provides ready connection for mobile users, workstations, servers and network printers, with or without the network wires. The built-in functions save you the cost and trouble of installing a separate Access Point, Ethernet switch and print server.

Enhanced Wireless Speeds

At 22Mbps, the DI-714P+ provides 802.11b+ wireless LAN users a high data transfer rate within the industry standard. Wireless LAN speed is double the 11Mbps normally found in other 2.4GHz wireless devices, but nevertheless full compatibility with 11Mbps 802.11b devices is maintained.

Network Security

The DI-714P+ provides NAT protection for your 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 router 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 wireless users is provided through a 256-bit strong WEP data encryption scheme.

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.

Print Server for Windows, MacOS, Linux

You can directly attach a parallel printer to the built-in printer port to share this printer out. The DI-714P+ supports print files from Windows, MacOS and Linux, allowing Ethernet and wireless users to print web pages and other files on this printer.

UPnP Enabled for Compatibility

The DI-714P+ is designed for easy and robust connectivity among heterogeneous standards-based network devices. Computers can communicate directly with the DI-714P+ for automatic opening and closing of UDP/TCP ports to take full advantage of security provided without sacrificing functionality of on-line applications.

Key Features

- Wireless or wired Internet access through a broadband modem
- Cable/DSL modem Internet sharing
- Built-in 4-port Fast Ethernet switch
- Built-in parallel print server port
- Integrated 22Mbps enhanced-speed 802.11b+ wireless LAN Access Point

- Dual diversity removable antennas with SMA reverse connectors
- Virtual Private Network (VPN) pass-through support
- 256-bit WEP data encryption for wireless users
- DMZ and Virtual Server Mapping support
- Web-based and Telnet configuration
- SNMP agent & built-in MIBs for management on third-party platforms

DI-714P+
Technical Specifications

Router

WAN Interface
- 1 RJ-45 10BASE-T/100BASE-TX port
- Supports DSL and cable modem connection

Routed Packet Type
IP packets

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

VPN Support (VPN Pass-through)
- IPSec pass-through
- PPTP

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

Number of Virtual Server Mappings
10 entries

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
- SNMP agent with built-in MIB-II
- UPnP support

Firmware Upgrade
Through TFTP

Built-in Wireless LAN Access Point

Standard
802.11b+

Reception Sensitivity Nominal Temp Range
- 22Mbps: 10-5 BER @ -80 dBm minimum
- 11Mbps: 10-5 BER @ -79 dBm minimum
- 5.5Mbps: 10-5 BER @ -83 dBm minimum
- 1Mbps: 10-5 BER @ -89 dBm minimum

Transmitter Output Power
16dBm +/- 2dBm

Frequency Range
2.4 - 2.4835 GHz

Radio & Modulation Technology
- Packet Binary Convolution Coding (PBCC)
- Direct Sequence Spread Spectrum (DSSS)
- 11-chip Barker sequence

Data Rates
- 22 Mbps
- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps
- Auto fall-back

Data Rate & Modulation
- 22Mbps/8.5db: PBCC
- 11Mbps/4.5db: PBCC
- 11Mbps/8.5db: CCK
- 5.5Mbps/1.5db: PBCC
- 5.5Mbps/5.5db: CCK
- 2Mbps/3db: Barker

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

Antennas
- Dual 2dBi Gain diversity removable antennas (SMA reverse connectors)

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

Roaming
Among Access Points on the same subnet

Security
- Data encryption: 64-bit, 128-bit, 256-bit WEP (Wired Equivalent Privacy)
- User-definable node access control list

Built-in Fast Ethernet Switch

Number of Switch Ports
4 RJ-45 10BASE-T/100BASE-TX 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/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

Built-in Print Server

Printer Interface
DB-25 parallel printer port

OS Support
- Windows 95, 98, NT, 2000, ME, XP
- MacOS
- Linux

DI-714P+

Technical Specifications

Physical & Environmental

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

Power Input
- DC 5V 2.5A
- Through external AC power adapter

Dimensions
235 (L) x 160 (W) x 36 (H) mm

Weight
568 grams

Operating Temperature
0° - 55°C (32° - 131°F)

Storage Temperature
0° - 55°C (32° - 131°F)

Humidity
95% maximum non-condensing

EMI Certification
- FCC Class B
- CE Class B
- DGT

Safety Certification
UL

Ordering Information

Wireless Broadband Internet Gateway Router

DI-714P+   1 RJ-45 10BASE-T port (for ADSL/cable modem connection)
802.11b+ wireless LAN AP
4 RJ-45 10BASE-T/100BASE-TX switch ports
1 parallel printer port

Please specify your order as follows:

BDI-714P+	For USA
CDI-714P+	For Canada
TDI-714P+	For Taiwan
DI-714P+/ANA	US standard AC power adapter, North America frequency
DI-714P+/BEU	UK standard AC power adapter, EU frequency
DI-714P+/EEU	EU standard AC power adapter, EU frequency
DI-714P+/CN	China standard AC power adapter, China frequency
DI-714P+/NEU	Australia standard AC power adapter, EU frequency

ACN 052 202 838

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Benelux	TEL: 31-10-2045740	FAX: 31-10-2045880
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