



**AirPlus**



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

### 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

#### 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 (MKN): 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

## 2.4GHz Wireless Broadband Router

### 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:

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

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