ARM904

802.11g 2.4GHz Wireless Router With 4 Port 10/100 Switch

DESCRIPTION

The **ARM904** is an IEEE 802.11g compliant wireless router with a built in four-port fast Ethernet switch. It brings the latest wireless technology with high speeds up to **54Mbps**, which is almost five times faster than the 802.11b wireless network. This high transfer rate provides relief from the pain of waiting while you are downloading large files, web surfing, having a video-conference, playing stream high-quality digital movies, etc.

The **ARM904** is interoperable with all other 802.11b wireless devices, so that you can use it with both your already purchased 802.11b devices and newly 802.11g investments.

This high-performance IEEE 802.11g standard-based router allows you to connect all of your wireless equipped PCs, while an integrated built-in 4-port fast Ethernet switch connects your devices that need Ethernet wiring. It's the easiest way to share and extend your high-speed xDSL/cable modem Internet connection; either with or without wires.

The **ARM904** provides not only the ease of Internet access, but also the privacy of data transmission. Network Address Translation (NAT) provides your network with protection from intruders, while 64 and 128-bit WEP (Wired Equivalent Privacy) encryption guard your wireless network for maximum privacy. Additional security 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.

FEATURES

- Data rate up to 54 Mbps
- Backwards compatible
- 128-bit WEP encryption
- 1 port 10/100 Mbps N-Way WAN
- 4 ports 10/100Mbps N-Way LAN
- Web-Based management
- Remote management
- Supports PPPoE
- Support VPN
- Natural firewall
- Auto detects & configures ISP
- Exposed Host (DMZ)
- MAC Address authentication
- URL Content Filtering

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SPECIFICATIONS

System

● **Operating System**
Web-based Management, Remote Management

● **Protocols**
Static & Dynamic Routing with TCP/IP, NAT, PPPoE, DHCP (client & server); HTTP, UDP, PAP, CHAP, RIP1, DDNS

● **VPN Pass Through**
PPTP, IPSec, L2TP

● **Power**
External DC 12V 800mA

Data Communications

● **Wireless Local Area**
IEEE 802.11g or IEEE 802.11b

● **Data Rate**
1 ~ 54 Mbps

● **Operating Ranges: (Max)**
Outdoors: 150M @ 11 Mbps, 250M @ 5.5Mbps or lower
Indoors: 25M @ 11 Mbps, 100M @5.5Mbps or lower

● **WEP**
64 Bit, 128 Bit

● **Frequency Band**
2.4GHz (11g & b) ISM Band
USA (FCC): 2.412GHz ~ 2.462GHz (Ch1-11)
Europe (CE): 2.412GHz ~2.472GHz (Ch1-13)
Japan (TELEC): 2.412GHz ~ 2.484GHz (Ch1-14)

● **Antenna Connector**
2 Hirose UFL connectors

● **RF Output Power**
64QAM: 14dBm
16QAM: 16dBm
QPSK: 17dBm
BPSK: 17dBm
DBPSK, DQPSK, CCK: 17dBm

● **Sensitivity**
11g@PER<10%
54Mbps: -65dBm
48Mbps: -66dBm
36Mbps: -70dBm
24Mbps: -72dBm

18Mbps: -77dBm
12Mbps: -79dBm
9Mbps: -81dBm
6Mbps: -82dBm

11b@PER<8%
11Mbps: -80dBm
5.5Mbps: -83dBm
2Mbps: -84dBm
1Mbps: -87dBm

● **Modulation:**
Orthogonal Frequency Division Multiplexing (11g)
48/54 Mbps   (QAM-64)
24/36 Mbps   (QAM-16)
12/18 Mbps   (QPSK)
6/9 Mbps   (BPSK)

Direct Sequence Spread Spectrum (11b)
5.5/11 Mbps   (CCK)
2 Mbps   (DQPSK)
1 Mbps   (DBPSK)

● **Operation Mode**
I). Infrastructure mode:
   Seamless roaming within the IEEE802.11g & 11b wireless LAN infrastructure
   Supports WEP encryption: 64/128 Bit
II). Ad-Hoc mode: Peer to peer connection

● **Modulation Type**
Direct Sequence Spread Spectrum (DSSS)

Connections

● **WAN**
1 port x 10/100 Mbps (auto-sensing) Ethernet (RJ45)

● **LAN**
4 ports x 10/100Mbps (auto-sensing) Ethernet (RJ45)

Physical Characteristics

● **Dimensions**
160mm (6.3in) x 108mm (4.25in) x30mm (1.18in)

● **Weight**
235g (0.52lb)

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Environmental

● **Operating Temperature**
-4° to 140°F/-20° to 60°C

● **Storage Temperature**
-40° to 176°F/-40° to 80°C

● **Humidity**
< 95% RH non-condensing

Regulatory

● **EMI/RFI**
FCC Part 15 Class B; ICES-003 Class B

* Specifications are subject to be changed without notice.