Wireless N 150 ADSL2+ 4-Port Router

Fast Internet Connection
Latest ADSL2/2+ standards provide Internet transmission of up to 24 Mbps downstream, 1 Mbps upstream.

High-Performance Wireless
Wireless N 150 technology is ideal for high-speed wireless connections, and is compatible with 802.11n/g/b wireless devices.

Total Security & QoS
Firewall protection, user access control, WPA/WPA2 wireless security and priority queues for smooth VoIP and multimedia.

High-Speed Internet
The Wireless N 150 ADSL2+ 4-Port Ethernet Router is a versatile, high-performance router for home and the small office. With integrated ADSL2/2+ supporting download speeds up to 24 Mbps, firewall protection, Quality of Service (QoS), fast wireless LAN, and four Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed link to the Internet.

Ultimate Wireless Connection
The Wireless N 150 ADSL2+ 4-Port Ethernet Router provides wireless speeds that are much faster than 802.11g. Maximize wireless performance and stay connected from virtually anywhere at home and in the office. It supports WPA/WPA2 and WEP for flexible user access security and data encryption methods, and a built-in WPS button provides easy wireless setup.

Firewall Protection & QoS
Security features prevent unauthorized access to the home and office network from wireless devices or from the Internet. The Wireless N 150 ADSL2+ 4-Port Ethernet Router provides firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the contents of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. For Quality of Service (QoS), the router supports priority queues to enable a group of home or office users to experience the benefit of a smooth network connection without worrying about traffic congestion.

Compatibility Assurance
The Wireless N 150 ADSL2+ 4-Port Ethernet Router is backward compatible with existing 802.11b and 802.11g wireless equipment, ensuring compatibility with a wide range of wireless devices. In addition, this router includes four Ethernet ports ready for you to connect Ethernet-enabled PCs, print servers and other devices.
### Technical Specifications

**Device Interfaces**
- RJ-11 ADSL port
- RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX
- Built-in Wireless N 150
- Factory reset button
- WPS button
- Wireless on/off switch
- Power on/off switch

**Wireless LAN**
- 802.11n/g with some 802.11n features
- Wireless speed: up to 54 Mbps (802.11g), 150 Mbps (802.11n)
- Frequency range: 2.4 GHz to 2.484 GHz
- 64/128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- Multiple SSIDs
- 802.11e Wireless QoS (WiMM/WME) security
- MAC address-based access control

**Wireless Transmission Power**
- 17 dBm +/- 2 dBm

**ADSL Standards**
- ADSL2+ standards: ITU G.992.5 Annex A/LM

**ADSL Data Rates**
- G.dmt: 8 Mbps downstream, 382 Kbps upstream
- G.lite: 1.5 Mbps downstream, 512 Kbps upstream
- ADSL2: 12 Mbps downstream, 1 Mbps upstream
- ADSL2+: 24 Mbps downstream, 1 Mbps upstream

**ATM & PPP Protocols**
- ATM Forum UUNI13.1/4.0 PVC (up to 16 PVCs)
- ATM Adaptation Layer Type 5 (AALS)
- ATM QoS (Traffic Shaping)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2394)
- ITU-T I.610 DAVI F4/F5

**Router Features**
- NAT (maximum 4096 NAT sessions)
- DHCP server/client/relay
- Static Routing, RIP v.1, v.2
- Universal Plug and Play (UPnP) compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server
- SNTP, DNS proxy, and IGMP proxy
- Supports IPv6

**Firewall**
- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention
- Packet filtering (IP/ICMP/TCP/UDP)
- Intrusion Detection System (IDS)
- DMZ

**Virtual Private Network (VPN)**
- Multiple PPTP/IPSec/L2TP pass-through

**Device Configuration/Management**
- Installation Wizard
- Web-based GUI for configuration, firmware upgrade
- Code lock to prevent improper firmware upgrade
- Telnet
- Syslog monitoring
- TR-099 Client
- WPS

**Certifications**
- CE (EN55022/EN55024/EN300 328/EN301 489)

### Quality of Service
- LAN to WAN traffic prioritization/Classification
- 802.1p (0 to 7) traffic prioritization
- Traffic Shaping

**Security**
- 128-bit encryption, with 80 WEP, and multiple WPA/WPA2 encryption algorithms
- 802.1X and RADIUS remote user authentication
- MAC filtering

**Power Input**
- Through 12 V AC 0.5 A external power adapter

**Diagnostic LEDs**
- Power
- LAN (1 to 4)
- WAN
- DSL
- Internet
- WPS

**Dimensions**
- 196 x 121 x 32 mm (7.7 x 4.8 x 1.3 inches)

**Operating Temperature**
- 0 to 40 °C (32 to 104 °F)

**Storage Temperature**
- -20 to 70 °C (-4 to 158 °F)

**Operating Humidity**
- 5% to 95% non-condensing

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1 Maximum wireless signal rate based on IEEE 802.11g standard and 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

2 Typical transmission power; transmission power setting varies according to country.