

WL-1500R

802.11g Wireless Broadband Router

The WL-1500R is a high performance and simple to use 802.11g wireless router that features Athero's Extended Range support. That means longer distance can be achieved when operating with other XR compliance equipment. The router supports virtually all the major ISP in the world. In addition, comprehensive filtering function allow parent to stop children form surfing unwanted web site access.



Routing

Filter

802.11g

WPA

XR

WPA2

Connection Diagram



Kids Protect Function

The parent may setup URL filter or domain blocking to prevent your kids from accessing a specific website on the Internet. Any web request coming from your kid's computer to a blocked website will receive a blocked message instead of the website.

Complete Security Function

The WL-1500R provides you're networking complete security solution. The security includes MAC Filters, IP Filters, URL Blocking, Domain Blocking, Protocol Filters. To improve the security of your Wi-Fi network, you can enabling and using MAC filtering or other security mode.

Specifications

Standards

- IEEE 802.11b Wireless LAN
- IEEE 802.11g Wireless LAN
- IEEE 802.3/IEEE 802.3u Fast Ethernet
- ANSI/IEEE 802.3 Auto negotiationRadio

Technology

- Direct Sequence Spread Spectrum (DSSS)
- Orthogonal Frequency Division Multiplexing (OFDM)

Transmission Rate

- 802.11b: 1, 2, 5.5, 11Mbps (auto sense)
- 802.11g: 6, 12, 24, 36, 48,54Mbps (auto sense)

Receiver Sensitivity

- 54Mbps: Typical -70 @ 10% PER (Packet Error Rate)
- 11Mbps: Typical -85 @ 8% PER (Packet Error Rate)

Wireless LAN Frequency Range

- 2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

Modulation Schemes

- DBPSK/DQPSK/CCK/OFDM

Media Access Protocol

- CSMA/CA with ACK

Transmit Power

- 802.11b: 15±2dBm typically
- 802.11g: 13±2dBm typically

Antenna Type

- Dual diversity antennas with one internal printed antenna and one external 2 dB Gain dipole antenna

Protocol

- TCP/IP

Interface

- LAN: 4 x 10/100Mbps Auto-MDIX Ethernet

ports

- WAN: 1 x 10/100Mbps Auto-MDIX Ethernet port

Supported Network Protocols

- TCP/IP
- NAT
- PPPoE/PPTP/L2TP
- HTTP
- DHCP Server/Client

Network Management

- Web base configuration utility via Ethernet

Channel

- USA: Channel 1 ~ 11
- Europe: Channel 1 ~ 13
- Japan: Channel 1 ~ 14

Security

- 64/128-bits WEP Encryption
- WPA, WPA2
- WPA-PSK, WPA2-PSK
- MAC address filtering
- Protocol filtering
- Domain filtering

Range Coverage

- Indoor: Up to 30 meters (depends on environment)
- Outdoor: Up to 100 meters (depends on environment)

Diagnostic LEDs

- Power,
- System
- WAN: Link.ACT
- LAN: Link/ACT
- WLAN: ACT

Power Adapter

- 7.5V / 1A

Operation Temperature

- 0 ~ 40 °C

Storage Temperature

- -10 ~ 70 °C

Humidity

- 10% ~ 95% RH, no condensation

Certifications

- FCC Part 15.247 for US
- ETS 300 328 for Europe

Dimensions (W x H x D)

- 147 x 115 x 35 mm (without antenna)

Ordering Information:

WL-1500R 802.11g Wireless Broadband Router