



## WaveLink 108AAR 802.11g 108Mbps Wireless LAN Router

### Features:

- Fully IEEE 802.11g and 802.11b standards compliant.
- Data rate up to 108 Mbps (with Super G) for 802.11g and 11 Mbps for 802.11b with wide range coverage.
- Strong network security with WEP, WPA, WPA-PSK, WPA2 and WPA2-PSK encryption.
- Auto-switch between the two standards IEEE 802.11 b and g that the corresponding networking device is using.
- DSL/Cable Modem Internet sharing
- 4\*10/100Mbps Switch Port for LAN connection.
- 1\*10/100Mbps WAN Port for DSL/Cable modem connection.
- Compliant with IEEE 802.3u and auto-negotiation.
- Support Full-duplex 802.3x and Half-duplex back-pressure flow control.
- Auto MDI/MDIX Fast Ethernet Ports
- Built in NAT & DHCP server
- LED indicator indicates connection status
- Web-based & remote configuration

### Specification:

#### Standards

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

#### Radio 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, 56Mbps (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

802.11g: 15±2dBm  
802.11b: 15±2dBm

#### 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

# WaveLink 108AAR

## 802.11g 108Mbps Wireless LAN Router

### Specification:

#### Supported Network Protocols

- 802.3u: 10/100 Mbps Fast Ethernet, IP v4, UDP, ICMP, TCP
- Secure: PAP, CHAP
- Network Timing Protocol
- DHCP
- Dynamic DNS
- PPPoE
- PPTP
- L2TP
- UPnP

#### Network Management

Web base configuration utility via Ethernet

#### Channel

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

#### Security

- WEP 64/128
- WPA, WPA2
- WPA-PSK, WPA2-PSK
- SSID Broadcast Disable function
- Firewall
- MAC Filter
- IP Filter
- Protocol Filter
- Special Application
- Virtual Server
- DMZ
- VPN pass through: IPsec; PPTP
- Filters: MAC / IP / Protocol / URL Blocking / Domain Blocking

#### Range Coverage

Indoor: Up to 50 meters (depends on environment)

Outdoor: Up to 200 meters (depends on environment)

#### Diagnostic LEDs

Power,

System

WAN: Link, ACT & Speed

LAN: Link, ACT & Speed

WLAN: ACT

#### Power Adapter

5V / 2.5A

#### Operation Temperature

0 ~ 40 oC

#### Storage Temperature

-10 ~ 70 oC

#### 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:

**WLG-108AAR : 802.11g 108Mbps Wireless LAN Router**

\* Product specification subject to change without notice.