

# Wave Link WLN-311R

## 802.11n 150Mbps Wireless Router

### Overview

The Wireless 11n Router is the perfect option to connect a small group of PCs to a high-speed Broadband Internet connection or to an Ethernet backbone. Configurable as a DHCP server, the Broadband Router acts as the only externally recognized Internet device on your local area network (LAN). The Router serves as an Internet firewall, protecting your network from being accessed by outside users. The data rates up to 150Mbps for wireless connection, user can easy to share HD video or data transfer.



### Features

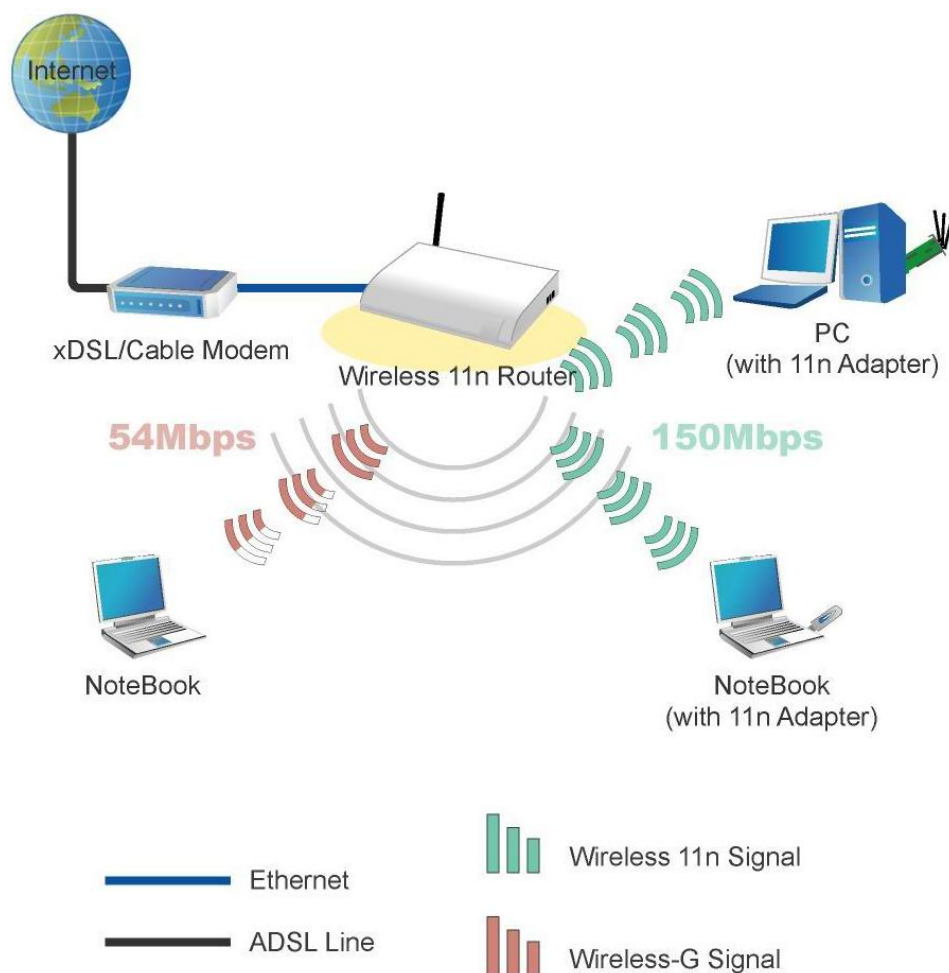
- Configuration and management operated via WWW browser with password protected access
- Operates on 2.4 GHz frequency band including 11n mode
- Support superior wireless coverage, less dead spaces and high throughput
- Compatibility with IEEE 802.11g, 802.11b (2.4GHz) and 802.11n standards
- Supports Wireless data rate up to 150Mbps for both transmit and receiving in 11n
- Supports WDS, AP, AP Client mode for wireless networks
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 (AES with IEEE 802.1x) and WPS (Wi-Fi Protected Setup) functions for high level of security
- Support NAT, SPI (Stateful Packet Inspection) for advanced firewall features
- Compliant with IEEE 802.3 and IEEE 802.3u 10/100 Mbps
- DMZ and Virtual Server function provided operating modes include routing, bridge, static IP, PPPoE
- Firmware upgrade via HTTP

## Specifications

<b>Wireless Features</b>	<ul style="list-style-type: none"> <li>● Support IEEE 802.11g, 802.11b and 802.11n Wireless Access Point</li> <li>● Superior wireless coverage and high performance, up to 150Mbps for wireless data rates</li> <li>● Support WDS, AP, AP Client mode</li> </ul>
<b>Modulation Types Supported</b>	<ul style="list-style-type: none"> <li>● OFDM: BPSK, QPSK, 16QAM, 64QAM, Proprietary MIMO modulation (11g)</li> <li>● DSSS: DBPSK, DQPSK, CCK(11b)</li> </ul>
<b>Data Rates Supported</b>	<ul style="list-style-type: none"> <li>● IEEE 802.11b: 1, 2, 5.5 and 11 Mbps</li> <li>● IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>● IEEE 802.11n: up to 150Mbps</li> </ul>
<b>Quality of Service (QoS) and Value-Added MAC Features</b>	<ul style="list-style-type: none"> <li>● IEEE 802.11e QoS</li> <li>● Wi-Fi Alliance WMM (Wi-Fi Multimedia Enhancement) support</li> <li>● Hardware-Based Priority Queues</li> </ul>
<b>Management Features</b>	<ul style="list-style-type: none"> <li>● Firmware upgrade via HTTP</li> <li>● WAN and LAN side connection statistics</li> <li>● Configuration of static routes and routing table</li> <li>● Configuration of NAT / NAPT</li> <li>● Selection of Bridge or Router Mode</li> <li>● PPP user ID and password</li> </ul>
<b>Physical Interfaces</b>	<ul style="list-style-type: none"> <li>● 1 x RJ-45 10/100Mbps LAN Ports</li> <li>● 1 x RJ-45 WAN Port</li> <li>● 1 x Power Jack</li> <li>● 1 x Detachable Antenna</li> </ul>
<b>Router Features</b>	<ul style="list-style-type: none"> <li>● DHCP Server and Client</li> <li>● NAPT (Network Address and Port Translation)</li> <li>● NAT (Network Address Translation)</li> <li>● ICMP (Internet Control Message Protocol)</li> <li>● IGMP (Internet Group Management Protocol)</li> <li>● DDNS (Dynamic Domain Name Service)</li> </ul>

<b>Chipset</b>	<ul style="list-style-type: none"> <li>Ralink RT3050 (1T1R)</li> </ul>
<b>Security Features</b>	<ul style="list-style-type: none"> <li>Password protected configuration access</li> <li>User authentication (PAP / CHAP) with PPP</li> <li>Support 64/128-Bit WEP encryption, WPS, WPA-PSK, WPA2-PSK, WPS and 802.1x</li> </ul>
<b>Ethernet Features</b>	<ul style="list-style-type: none"> <li>Compliant with IEEE 802.3 and 802.3u 10/100 Mbps</li> <li>All Ethernet ports support auto-crossover (MDI/MDI-X)</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Storage Temperature: -20°C~70°C</li> <li>Operating Temperature: 0° C ~40° C</li> </ul>
<b>Humidity</b>	<ul style="list-style-type: none"> <li>Storage Humidity: 5%~95% R/H (max).</li> <li>Operating Humidity: 10%~90% R/H (max)</li> </ul>
<b>Regulatory Approvals</b>	<ul style="list-style-type: none"> <li>FCC, CE, LVD</li> </ul>

## Application



## Ordering Information

**WLN-311R-L1: 802.11n 150Mbps Wireless Router**

*\* Product specification subject to change without notice.*