

# AmbiCom 802.11N Wireless N Broadband Router

Model: **WL300N-AR**

**12X**

Faster

**4x**

Coverage



2.4GHz IEEE 802.11b/g/n  
1 WAN Port + 4 Port 10/100Mbps Switch

The product complies with DRAFT N 2.0 next generation wireless standard. Utilizing multiple antennas, it can support the data transmission rate up to 12x faster and 4x the coverage distance than the standard 802.11g products. Faster data speed and wider coverage enable you to enjoy the network applications without any interruption. WL300N-AR also supports Wi-Fi Protected Setup (WPS). Simply press the WPS button on the WL300N-AR router and a compatible WPS wireless device to configure the wireless security automatically. Setting up a secure wireless network has never been so easy.

## Main Features

- Hardware Firewalls: Network Address Translation (NAT) / Network Address Port Translation (NAPT)
- Virtual Server / DMZ / Port Forwarding for special FTP or gaming requirement
- Wi-Fi Protected Setup (WPS)
- Supports Port Triggers for special applications
- Supports Dynamic DNS (DynDNS, TZO)
- VPN Pass Through (IPSec / PPTP) gives secure and dedicated login access
- Anti-DoS Firewall protects from Internet attack
- Up to 300Mbps high-speed data rate
- Web User Interface for router management

## Wireless Features

- Backward compatible with 2.4GHz 802.11g/b standards
- Supports 64/128-bit WEP Encryption, WPA and WPA2 security
- Supports WMM (QoS) function to better manage higher priority audio / video data streaming bandwidth requirement. Example: VOIP, WebTV, Internet radio
- Extended range coverage and higher throughput
- Supports one touch WPS function for easy wireless security setup
- Supports several wireless modes: AP, AP Client, Bridge, WDS and Universal Repeater

## Specifications

Model	WL300N-AR
WAN Port	10/100Mbps Port (x1)
LAN Port	10/100Mbps Port (x4)
Standards	2.4GHz IEEE 802.11n DRAFT N 2.0, IEEE 802.11g, IEEE 802.11b
Antenna	Three 3dBi 2T3R Dipole Fixed Antenna (2 Transmit / 3 Receiving)
Output Power	802.11n: 16 +/- 1dBm 802.11g: 16 +/- 1dBm 802.11b: 18 +/- 1dBm
Receiving Sensitivity	802.11n (40MHz): -68dBm 802.11n (20MHz): -71dBm 802.11g: -74dBm 802.11b: -87dBm
Security Features	64 / 128-bit WEP, WPA, WPA2
Dimension (W x H x D)	7.36 x 1.18 x 3.93in (187 x 30 x 100mm)
Temperature	Operating: 32 ~ 122°F (0 ~ 50°C) Storage: -4 ~ 140°F (-20 ~ 60°C)
Humidity	10 ~ 90% Non Condensing
Power Adapter	12VDC, 1A
Power Consumption	6.24W
Certification	FCC, CE
AmbiCom SKU	WL300N-AR
UPC	646543 168465
Warranty	1 Year Limited
Package Contents	WL300N-AR Router, Power Supply, Vertical Stand, CD (Digital Manual), Quick Installation Guide

Rev1.1

\*Disclaimer: Maximum wireless data transfer/signal rate derived from IEEE Standard 802.11g and draft 802.11n specifications. Actual data throughput may vary due to environmental factors, volume of network traffic, building materials and construction, network products technologies, network overhead, driver version, and operating system. Hence lower actual data throughput rate and adversely affect wireless signal range. Wireless range and speed rates are relative performance measurements for reference only. Maximum performance is compared when used with comparable same technology wireless adapters. AmbiCom makes no express, implied representations or warranties this product compatibility with any future standards. All other brands and names are the property of their respective owners. Specifications are subject to change without notice.

