

300Mbps High Power Wireless N Router

Model : N300RH

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Product Design



Overview

N300RH is a 2T2R High Power Wireless N Router which complies with 802.11n standard and equipped with two detachable high gain antennas for stable wireless connection. It can deliver up to 300Mbps wireless transmission speed for users to share large files or surf on the internet more smoothly and high output power expands the wireless coverage and allows users to connect with more wireless network stably. Besides, it allows users access internet by DHCP/ Static IP/ RUSSIA PPTP/ L2TP/ PPPoE dual link and it also supports VLAN function according to users needs. In a word, N300RH is a cost-effective router for either office or home use.

300Mbps Wireless N Speed

Complying with the 802.11n standard, it delivers up to 300Mbps wireless transfer rate and reliable connection for users to enjoy the best wireless connection in your entire home. Besides, broadband Internet connection sharing over a secure wireless network with numerous computers can be realized easily.

Ultra-broad Wireless Coverage

High output power design significantly enhances the stability of wireless signal and extends wireless range to reduce dead spots. Besides, two 11dBi high gain antennas provide strong signal and perform well in the long range or bad environment.

Flexible Power Supply by Passive PoE

Long distance power supply is supported thanks to the unique design of Passive PoE, you can choose the best position to transmit wireless signal without worry about power outlet. It can ensure the security of structured cabling and improves the flexibility.

VLAN for Amazing IPTV Experience

A Virtual Local Area Network (VLAN) is a network topology configured according to a logical scheme rather than the physical layout. Hosts in the same VLAN communicate with each other. It can effectively satisfy user's individual requirement that if one of your family members want to watch IPTV but others want to surf Internet. You can enjoy more amazing interactive entertainment experience by IPTV.

Outstanding Bandwidth Control with QoS

Unified bandwidth control based on IP/MAC allows optimum bandwidth utilization to discriminate every user. It is very effectively to solve bandwidth-tension while internal users enjoying high bandwidth-consuming application. Assigned specific bandwidth, internal users can be limited better to run applications, which lead to a perfect network performance.

Robust Security

The most advanced WPA/WPA2 (TKIP/AES) encryption is provided to ensure the security of wireless connection so that users needn't worry about being occupied by others. What's more, to keep the Internet browsing experience safe, it provides IP/MAC/URL filter to enhanced the security outside and inside the network.

Features

- Complies with IEEE 802.11n and IEEE 802.11g/b standards for 2.4GHz Wireless LAN.
- Up to 300Mbps data rate for Wi-Fi network.
- Advanced MIMO technology ensures the transmit/receive signal's stability.
- Supports PPPoE, DHCP Client, static IP, PPTP and L2TP broadband functions.
- Supports dual access while WAN type is PPPoE, PPTP or L2TP.
- QoS: Bandwidth Control based on IP/MAC.
- Provides 64/128-bit WEP, WPA, WPA2 and WPA/WPA2 (TKIP+AES) security.
- Connects to secure network easily and fast using WPS.
- The IP, MAC, Port and URL filtering makes access and time control more flexibly.
- VLAN function for IPTV and other internet services.
- Multiple APs allows users to add other two SSIDs for different needs.
- SSH Server function ensures the security of remote login.
- High output power expands the wireless coverage and improve connective stability.
- Repeater function expands the wireless coverage and allows more terminals to access Internet.
- Supports TR-069 protocol for remote centralized management.
- Supports passive PoE power supply.

Specifications

| Hardware | |
|-----------------------|--|
| Interface | - 4*10/100Mbps LAN Ports - 1*10/100Mbps WAN Port |
| Power Supply | - 9V DC/0.8A |
| Passive PoE | - WAN Port & the LAN Port beside the WAN Port Supported |
| Button | - RST/WPS Button |
| LED Indicators | - 1*Power, 1*CPU, 1*Wireless, 1*WAN, 4*LAN |
| Antenna | - 2*11dBi Detachable Antennas |
| Environment | - Operating Temperature: 0℃~55℃ (32°F~131°F) - Storage Temperature: -20~65℃ (-4°F~149°F) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~95% non-condensing |
| Wireless | |
| Standards | - IEEE 802.11n, IEEE 802.11g, IEEE 802.11b |
| RF Frequency | - 2.4~2.4835GHz |
| Data Rate | - 802.11n: Up to 300Mbps - 802.11g: Up to 54Mbps (dynamic) - 802.11b: Up to 11Mbps (dynamic) |
| Wireless Security | - 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES) |
| Output Power | - 27dBm (Max.) |
| Channels | - 1-11 (North America), 1-13 (General Europe) |
| Modulation Type | - DBPSK, DQPSK, CCK and OFDM (BPSK, QPSK, 16-QAM/ 64-QAM) |
| Reception Sensitivity | - 270M: -61 dBm@10% PER - 135M: -65 dBm@10% PER - 54M: -68 dBm@10% PER - 11M: -85 dBm@8% PER - 6M: -88 dBm@10% PER - 1M: -90 dBm@8% PER |

| Software | |
|-----------------|---|
| Status | - System Status - Statistics - System Log |
| Setup Wizard | - Setup Wizard |
| Quick Setup | - Quick setup |
| TCP/IP Settings | - LAN Interface - WAN Interface: DHCP Client, Static IP, PPPoE, PPTP and L2TP - VLAN Settings |
| Wireless | - Basic Settings(including Band, Mode, SSID, Multiple APs, etc.) - Security Settings - Site Survey - WDS - Advanced Settings - Access Control - WPS - Schedule |
| Route Setup | - Static Route - Routing Table |
| Firewall | - IP Filtering - Port Filtering - MAC Filtering - URL Filtering - Port Forwarding - DMZ - Denial- of- Service - NAT Mapping |
| Management | - Upgrade Firmware - Save/Reload Settings - Web Login Password - TR-069 config - Date and Time - Reboot Router - Reboot Schedule |
| Advanced | - DDNS - QoS - Operation Mode - SSH Server |