150Mbps Wireless N Router
Model : N100RE

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Product Design

Overview

N100RE is wireless N Router with 1 high gain antenna which complies with 802.11n and is backward compatible with 802.11b/g devices. It can deliver up to 150Mbps wireless transmission rate and provide WPA/WPA2 security standards to prevent unauthorized access so that you will be able to use the best possible encryption regardless of other wireless devices. Besides, With improved heat dissipation design, N100RE offers greater reliability and longer service life.

150Mbps WiFi Speed

Based on 802.11n standard, N100RE provides 150Mbps high speed for creating wireless networking in your home or office. You can enjoy the better network experience than conventional 11g products and smooth Internet surfing.

Good Heat-Dissipation Performance

Large area of holes over the router makes it better for heat-radiation and it's unique design makes it more elegant. The enhanced heat dissipation design can effectively greater the reliability and longer the service life of the router.

Timing WiFi

WiFi ON/OFF schedule is designed for users with a regular life. It will be on at the start time and off at the end time. Once you set the parameters, you can always enjoy the service.

Individual Power Control

The additional power ON/OFF switch on N100RE simplifies device control and is more power-saving. Just turn off the switch while you want to power down the router, it's more convenient.

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 not only ensure the security of structured cabling but also improves the flexibility and minimizing cost.

Effective Multi-SSID function

Multiple APs function is designed for users who want to set up extra wireless networks for guests or friends with better access control. It supports up to 3 SSIDs which is very convenient and without conflict with each network. Generally, it is easy maintenance for manager in those companies which consist of many different departments.

Outstanding Bandwidth Control with QoS

Unified bandwidth control based on IP allows optimum bandwidth utilization to discriminate every user. Prevent individual users over preemption bandwidth resources by using BT, Thunder and other P2P software, affecting normal network use of other users. Assigned specific bandwidth, internal users can be limited better, 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. Only the users who kn own the SSID and encryption key can connect to the network, 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 strengthen the security outside and inside the network.

Features

- Complies with IEEE 802.11n/g/b standards for 2.4GHz Wireless LAN.

- Up to 150Mbps data rate for Wi-Fi network.

- Supports PPPoE, DHCP and Static IP broadband functions.

- Provides 64/128-bit WEP, WPA, WPA2 and WPA/WPA2 (TKIP+AES) security.

- Connects to secure network easily and fast using WPS.

- Enhanced heat-dissipation design.

- Provides Multi-SSID function and Repeater function.

- WDS mode makes it simple for WLAN expansion.

- The IP, MAC and URL filtering makes access and time control more flexibly.

- Supports WMM for improved audio and video streaming.

- Easy to install and configure.

- Supports Passive PoE.

Specifications

Hardware	
Interface	- 4 *10/100Mbps LAN Ports - 1 *10/100Mbps WAN Port
Power Supply	- 9V DC/0.5A
Passive PoE Port	- WAN Port & the LAN Port close to the WAN Port supported
Button	- RST·WPS Button, Power ON/OFF Button
LED Indicators	- 1 *Power, 1 *CPU, 1 *Wireless, 1 *WAN, 4 *LAN
Antenna	- 1 *5dBi Fixed Antenna
Environment	- Operating Temperature: 0℃~55℃ (32℉~131℉) - Storage Temperature: -20~65℃ (-4℉~149℉) - 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 150Mbps - 802.11g: up to 54Mbps (dynamic) - 802.11b: up to11Mbps (dynamic)
Wireless Security	- 64/128-bit WEP, WPA/WPA2 (AES/TKIP) and 802.1x
Output Power	- 20dBm (Max.)
Channels	- 1-11 (North America), 1-13 (General Europe), 1-14 (Japan)
Modulation Type	- DBPSK, DQPSK, CCK and OFDM (BPSK,QPSK,16-QAM/ 64-QAM)
Reception Sensitivity	- 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	
Network Settings	- WAN Interface: PPPoE/DHCP/Static IP - LAN Interface/DHCP Server
Wireless	- Wireless Basic Settings - Multiple BSS - Wireless Multibridge: Repeater bridge/Repeater/WDS - MAC Authentication - WPS Settings - Advanced Settings
Firewall	- Access Control - IP/Port Filtering - MAC Filtering - URL Filtering - Port Trigger - Port Forwarding - DMZ
Management	- Upgrade Firmware - DDNS - Time Zone Settings - System Log - Save/Reload Settings - Password - Schedule - Reboot