300Mbps Wireless N
Dual Band Gigabit Router
802.11n/b/g/a (2T*2R)

Model No. N500RDG

N500RDG is a 2*2 dual band WLAN Gigabit Router with four high gain fixed antennas. It allows users to access Internet by DHCP/PPPoE/Static IP and can deliver up to 600Mbps (2.4GHz 300Mbps and 5GHz 300Mbps concurrent) wireless data rate.
Since it provides Wireless Multibridge, WDS and VPN Server settings, N500RDG can be also used as a VPN Server, a Repeater and a Wireless AP. Generally, it is a high performance and cost-effective solution for home and small offices requiring high wireless performance.

Features

- Double your network bandwidth (IEEE 802.11b/g/n 2.4GHz, IEEE 802.11a/n 5 GHz).
- Up to 600Mbps data rate for Wi-Fi network while 2.4G and 5G work concurrently.
- Advanced MIMO technology enhances the throughput and wireless coverage.
- 5GHz band is optimized for HD video streaming.
- 5*gigabit Ethernet ports can achieve the most efficient transmission speed.
- 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.
- Multi-SSID allows user to create multiple LANs according to their needs.
- The IP, MAC and URL filtering makes access and time control more flexibly.
- The VPN server can not only protect the privacy of your information, but also simplify network management.
- Smart QoS function can assign bandwidth to PCs equally by one click.
- Repeater function expands the wireless coverage and allows more terminals to access Internet.

Specifications

Hardware	
Interface	- 4*10/100/1000Mbps LAN Ports - 1*10/100/1000Mbps WAN Port
Power Supply	- 5V DC/2 .5A
Button	- 1*RST/ WPS Button - 1*Power ON/OFF Slide Switch
LED Indicators	- 1*Power, 1*CPU, 1*2.4G Wireless, 1* 5.8G Wireless , 1*WAN, 4*LAN
Dimensions	- 183.4mm x 134.4mm x 26mm (L x W x H)
Antenna	- 4*4dBi fixed antenna s (2*2.4GHz, 2*5GHz)
Environment	- Operating Temperature: 0 ℃~40 ℃ (32 ˚F ~104 ˚F) - Storage Temperature: -40~70 ℃ (-40 ˚F ~158 ˚F) - Operating Humidity: 10%~90% non -condensing - Storage Humidity: 5%~95% non -condensing
Wireless	
Standards	- IEEE 802.11n, IEEE 802.11g, IEEE 802.11b , IEEE 802.11a
RF Frequency	- 2.4GHz/5GHz
Data Rate	- 2.4G: U p to 300Mbps - 5G: U p to 300 Mbps
Wireless Security	- 64/128 -bit WEP, WPA/WPA2, WPA -PSK/WPA2 -PSK (TKIP/AES)
Output Power	- 20dBm (Max.)
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	
Network	- WAN Type: PPPoE/DHCP/Static IP - LAN Interface
Wireless (2.4GHz/5GHz)	- Multiple BSS - Multibridge(Repeater): Wireless Bridge/Wireless WAN - MAC Authentication - WDS - WPS
NAT/Routing	- Port Forwarding - DMZ/Twin IP - Port Trigger - Routing Table
Firewall	- Internet Access Control: IP/MAC Address filtering - Net Detector - Remote/Internal access list
Utility	- VPN Server(5 VPN tunnels) - DDNS - WOL - Host Scan
Traffic	- QoS - Connection Control - Wired Port Link (speed, duplex)
Management	- System Log - User Name & Password - Firmware Upgrade - System Time - Configuration backup/restore