# 300Mbps 2T2R  Wireless Router
GW-WR301ND



## Product Description

The GW-WR301ND is a high speed wireless router with downstream up to 300 Mbps.  Utilizing 802.11 b/g/n wireless technology, the computers and devices with WiFi functionality can wirelessly connect to the GW-WR301ND and share high speed Internet connection. It supports DHCP client and DHCP server. It also supports NAT and NAPT functions. As a DHCP client, it can dynamically obtain external Internet IP address. As a DHCP server, it can dynamically assign local IP address to the associated wireless stations and wired LAN port PCs. NAT and NAPT functions implement local IP address and external IP address conversion.

The GW-WR301ND is an ideal wireless broadband solution for both home users who wish to share high-speed wireless Internet access and small offices which wish to do business on the Internet.

## Product Features

·Comply with 802.11b/g/n standards and support the maximum rate of 300 Mbps
·Support "WPS" one-button to establish secure wireless network connection to relieve users the trouble of memorizing complicated password
·Provide a website filtering function, enabling parents to prevent children from accessing web sites containing pornography
·Provide auto-adaptive QoS function to guarantee the normality of Internet surfing, video sharing, and online gaming
·Provide a wizard to guide system configuration

## Technical Specifications

·Provide 1×10/100Mbps WAN port, 4×10/100Mbps LAN ports, WPS/ Reset/Power buttons
·Comply with IEEE 802.11b/g/n Standards, pass Wi-Fi certification,  and support the maximum rate of 300Mbps
·Support WMM to make video application work smoothly
·Support wireless roaming technology to guarantee effective wireless connections
·Support the latest wireless network encryption protocols (WEP/WPA/ WPA2) to prevent illegal invasion
·Provide a website filtering function to prevent children from accessing web sites which containing pornography
·Support automatic selection of wireless channels
·Support 802.11b/g/n compliant auto negotiation and manual configuration
·Support WPS function which establish a secure wireless connection just by press one button
·Support built-in DHCP server to assign IP address automatically
·Support UPnP and DDNS functions
·Provide system logs for recording device working status
·Passed CE, FCC and RoHS certifications
·With 3dbi detachable antenna

## Packing List

·300M wireless broadband router GW-WR301ND
·Optical disk (containing a user manual)
·Power adapter
·Quick Installation Guide
·RJ45 network cable
·Warranty card

## Parameter and Specification

| Parameter | Specification |
|---|---|
| System Spec | |
| Chipset | Realtek8196C |
| SDRAM | 16M |
| Serial Flash | 4M |
| Feature and Technology Spec | |
| Protocol | • IEEE 802.11b<br>• IEEE 802.11g<br>• IEEE 802.11n<br>• RFC768 User Datagram Protocol (UDP)<br>• RFC791 Internet Protocol ( IP)<br>• RFC792 Internet Control Message Protocol (ICMP)<br>• RFC793 Transmission Control Protocol (TCP)<br>• RFC826 Address Resolution Protocol (ARP)<br>• RFC2516 PPP over Ethernet (PPPoE)<br>• RFC2131 Dynamic Host Configuration Protocol (DHCP)<br>• Support ALG |
| System Support | Windows 98SE, Windows 2000, Windows ME, Windows XP 32/64 bit and Windows Vista 32/64bit |
| Modulation Schemes | Support 256/64/16/8-QAM, QPSK, BPSK, MCS0 ~ MCS15 |
| Encryption | 4/128 bit, WEP, 802.1x, WPA, and WPA2 wireless encryption |
| QoS | Support Differentiate Services |
| SNMPv2 or v3 | Support |
| Ethernet Interfaces | 4 x RJ45 for 10/100  LAN Ethernet Port<br>1 x RJ45 for 10/100  WAN Ethernet Port |
| LEDs | • Power<br>• WLAN<br>• WPS<br>• WAN<br>• LAN 1~4 |
| Consumption | 2W |
| Environment Requirement | |
| Operating Temperature | 0ºC~45ºC |
| Storage Temperature | -20ºC~70ºC |
| Operating Humidity | 10%~90%, non-condensing |
| Storage Humidity | 5%~90%, non-condensing |
| Power Supply | • Input power: 100-240VAC, 50/60Hz<br>• Output power:12VDC/500mA |
| EMC and Safety | |
| Regulatory Compliance | |
| Safety Regulations | UL |
| Green Standard | RoHS |
| Physical Dimension | |
| Physical Characteristics | L x W x H: 240 mm x 195 mm x 105 mm |
| Weight | 500g |