

WR300 Wireless Router

Features

- ◇ Complies with the IEEE 802.11b/g and IEEE802.11n draft 2.0 standards
- ◇ High data rate up to 300Mbps network speed
- ◇ Supports AP client mode
- ◇ Supports WPS (Wi-Fi Protected Setup) function
- ◇ Supports hidden SSID function
- ◇ Supports DDNS (dynamic DNS)
- ◇ Integrated anti-DOS firewall
- ◇ Provides MAC access control
- ◇ Supports UPNP (Universal Plug and Play)
- ◇ Supports WDS (Wireless Distributed System) repeater mode
- ◇ Supports WMM function to meet the multimedia data bandwidth requirement
- ◇ Supports 64/128-bit WEP, WPA, WPA2 wireless security
- ◇ Obtain WAN IP by PPPoE/DHCP/static IP/PPTP
- ◇ Integrated 10/100 Mbps LAN switch with Auto MDI/MDI-X support
- ◇ Provides DHCP server
- ◇ VPN pass through (L2TP/IPSec/PPTP)
- ◇ Supports virtual server, port forwarding and DMZ(demilitarized zone)
- ◇ Supports system status (port connectivity) and remote log for network management
- ◇ Supports web-based configuration
- ◇ Firmware upgradeable via web browser



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Description

The WR300 Wireless 11N Router is a combined wired/wireless network connection device designed specifically for small business, office, and home office networking requirements. It complies with the IEEE 802.11n standard with wireless transmission speeds of up to 150M. The router features 4 10/100Mbps ports to achieve the most effective data transmission. It works well with other 11g and 11n protocol wireless products.

Parameter

Item	Description
SoC + RF	Ralink RT3052
Flash	4 MB
RAM	32MB
Antenna	Non-detachable 3dBi Antenna x 2 (2T2R MIMO Technology)
Wireless features	Support IEEE 802.11g, 802.11b and 802.11n draft 2.0 Wireless Access Point
	Superior wireless coverage and high performance, up to 300Mbps for wireless data rates
	Support WDS, AP, AP Client mode



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Maximum coverage distance	100 m indoors;300 m outdoors
Modulation types supported	OFDM: BPSK, QPSK, 16QAM, 64QAM, Proprietary MIMO modulation (11g)
	DSSS: DBPSK, DQPSK, CCK(11b)
Data rates supported	IEEE 802.11b: 1, 2, 5.5 and 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n(draft 3.0): up to 300Mbps
Quality of Service (QoS)	IEEE 802.11e QoS
	Wi-Fi alliance WMM (Wi-Fi Multimedia Enhancement) support
	Hardware-based priority queues
Management features	Firmware upgrade via HTTP
	WAN and LAN side connection statistics
	Configuration of static routes and routing table
	Configuration of NAT / NAPT
	Selection of bridge or router mode
	PPP user ID and password
Physical interfaces	4 x RJ-45 10/100Mbps LAN Ports 1 x RJ-45 WAN Port 1 x power jack 2 x detachable antennas
Router features	DHCP server and client
	NAPT (Network Address and Port Translation)
	NAT (Network Address Translation)
	ICMP (Internet Control Message Protocol)
	IGMP (Internet Group Management Protocol)
	DDNS (Dynamic Domain Name Service)
Security features	Password protected configuration access
	User authentication (PAP / CHAP) with PPP
	Support 64/128-Bit WEP encryption, WPA-PSK, WPA2-PSK, WPS and 802.1x
Ethernet features	Compliant with IEEE 802.3 and 802.3u 10/100 Mbps
	All Ethernet ports support auto-crossover (MDI/MDI-X)
Power	9VDC, 1A Single Range Switching Power Adapter
Temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90% non-condensing (operating) 5% to 95% non-condensing (storage)

Applications

- ◇ SOHO Network

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- ◇ WLAN
- ◇ LAN