

# Wireless

2.4G | 802.11b/g/n Compatible | 2x2

## WAP-5900

### 300M 4-port Wi-Fi Router



WAP-5900 is an 802.11n wireless router that provides a better wireless signal for your network than previous-generation 802.11g technology. Upgrading your home network with an 802.11n wireless router provides an excellent solution for sharing an Internet resource and files such as video, music, and documents. WAP-5900 uses intelligent antenna technology to transmit multiple streams of data, which enables you to receive wireless signals faster at your home. Not only does the 802.11n technology extend your wireless range, it also works with previous-generation 802.11b/g wireless devices. The wireless router also includes QoS (Quality of Service) prioritization technology that analyzes and separates multiple data streams based on sensitivity to delay, enabling multiple applications to stream smoothly across your network. WAP-5900 supports wireless 802.11b/g/n and the following security protocols: WEP, WPA, WPA2.

The wireless router has a Quick Setup Wizard that can quickly configure your new wireless router to get you up and running in minutes. Our Setup Wizard brings you step by step through the installation process to configure your Internet connection, wireless network settings and security.

## FEATURES

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### Wireless Features

- Complies with IEEE 802.11b/g/n standards
- Backward compatible with 802.11b/g devices while operating at 802.11n data rate
- 2x2 MIMO technology for extended reception robustness and exceptional throughput (R44T)
- 802.11b/g Data rates: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54Mbps, 802.11n maximum Data rates :150Mbps receive/transmit PHY rate using 40MHz bandwidth (HR4100), 300Mbps receive/transmit PHY rate using 40MHz bandwidth (HR4300)
- Burst-mode support for dramatically enhanced throughput
- DSSS with DBPSK and DQPSK, CCK modulations and demodulations supported with rate compatible punctured convolution coding, with coding rates of 1/2, 2/3, 3/4 and 5/6
- OFDM with BPSK, QPSK, 16QAM and 64QAM modulations and demodulations supported with long and short preamble
- Complies with IEEE 802.11e QoS Enhancement (WMM)
- IEEE 802.11i (WPA, WPA2). Open, shared key and pair-wise key authentication services

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## SPECIFICATIONS

### Chipset

- RTL8676S + RTL8192ER

### Ethernet Ports

- LAN: 10/100M UTP Port x 4 (Auto MDI/MDI-X)
- WAN: 10/100M UTP Port x 1 (Auto MDI/MDI-X)

### WLAN AP

- ON/OFF software switch
- IEEE 802.11b, 11g, 11n, and Mixed
- WEP, WPA TKIP/AES and WPA2 TKIP/AES/Mixed
- Wireless Auto-channel selection
- Wireless repeater
- MBSSID
- STA power saving mode
- SSID broadcast or not
- MAC filter

### QoS

- Traffic shaping
- WLAN QoS supported

### Security

- URL Blocking
- MAC Clone

### ALG

- Supports H.323, SIP, RTSP, L2TP, IPSEC, FTP, PPTP, IQC, MSN, NetMeeting, CUSEEME, IRC, SNMP

### DNS

- Relay
- Client
- Server

### WAN connection type

- Static IP
- PPPoE
- DHCP

### Antennas

- 2 x 5 dBi external dipole antenna

### Management

- Remote management
- Configuration backup/restore
- Firmware upgrade
- Access control

### DDNS

- DynDns
- TZO
- dlinkddns
- Oray

### Power Requirements

- This Device uses an AV adaptor.  
AC power adaptor: 220 VAC, 50/60Hz (can be customized)  
Output voltage: 5VDC, 1.0A

### Heat & Power Dissipation

- Power: < 5W

### Environmental

- Complies with the following standards:
- Temperature:
  - - 0 to 40 degrees C (Standard Operating)
  - - 40 to 70 degrees C (Non-operating)
- Humidity:
  - - 10% to 90% (Non-condensing, Standard Operating)
  - - 5% to 95% (Non-condensing, Non-operating)
- Vibration: IEC 68-2-36, IEC 68-2-6
- Shock: IEC 68-2-29
- Drop: IEC 68-2-32



**COMTREND CORPORATION**

#### Taiwan:

3F-1, No.10, Lane 609, Chongxin Road, Section 5,  
Sanchong Dist, New Taipei City 24159, Taiwan  
Tel: 886-2-2999-8261  
Fax: 886-2-2999-8497

#### China:

1F, No. 88 Building M1 East QianJin Road,  
Kunshan City, PC: 215300, China  
Tel: 86-512-57383156,  
Fax: 86-512-57383155

#### Spain:

Edif. América II C/Prócion, 7 portal 3 bajo H 28023 Madrid, Spain  
Tel: 34-917990403  
Fax: 34-913510999

#### Czech Republic:

TOKOVO Jankovcova 1518/2, 170 00, Prague 7, Czech Republic  
Tel: 420-266-782040  
Fax: 420-266-782990

#### USA & Canada:

16 Goodyear, Suite 120, Irvine, CA 92618  
Tel: 1-949-7539640  
Fax: 1-949-7539020