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WiFi 11n Ethernet Bridge

WR-211N

Features

- Up to 150Mbps downstream and upstream
- Complies with 2.4GHz IEEE802.11n and IEEE802.11g/b standards
- Ethernet Bridge, AP Router and WISP mode
- WPS (Wi-Fi Protected Setup) via PIN
- Low Noise Amplifier(LNA) support
- TCP/UDP/ICMP/ARP protocol stack
- Wireless users access control
- Supports Wireless Distribution System (WDS)
- Wireless security - 64/128bit WEP, WPA(TKIP), WPA2(AES)
- QoS enhancement – WMM function
- Universal Plug and Play for IP phones (appointed)
- Quick and easy setup thru LCD menu of IP phones
- Make IP phone to easily use Wire or WiFi anytime, anywhere
- Web-based management

Package contents:

- WiFi 11n Ethernet Bridge
- User documents
- 2dBi detachable RSMA Antenna
- Universal AC/DC Power Adapter (5V)
- A Y-type cable for Power

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Protocol

Standards
- IEEE 802.11g, IEEE 802.11b, IEEE 802.11n
- IEEE 802.3, IEEE 802.3u

Access Protocol
- CSMA/CA

Security
- 64/128-bit WEP, WPA mixed, WPA(TKIP), WPA2(AES)

Operation Mode
- Ethernet Bridge, AP, Router and WISP Client

DHCP
- Server (AP, Router, WISP client mode) and Client (Bridge mode)

Radio Frequency

Modulation type
- 802.11b: CCK, DQPSK, DBPSK, DSSS
- 802.11g: OFDM, DSSS
- 802.11gn: 64-QAM, 16-QAM, QPSK, BPSK

Frequency Band
- 2.412G Hz ~ 2.4835G Hz ISM band

Data Rate
- 802.11b: 1, 2, 5.5 and 11Mbps with auto-rate fall back
- 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps
- 802.11n (40MHz): up to 150Mbps
- 802.11n(20MHz): up to 72Mbps

Receiver Sensitivity
- 802.11b: -85dBm $\pm$ 2dBm@11Mbps
- 802.11g: -68dBm $\pm$ 2dBm@54Mbps
- 802.11n HT20: -68dBm $\pm$ 2dBm@150Mbps
- 802.11n HT40: -68dBm $\pm$ 2dBm@150Mbps

RF Output Power (typical)
- RF output power adjustable
- 802.11b: 18dBm $\pm$ 2dBm
- 802.11g: 15dBm $\pm$ 2dBm
- 802.11n HT20: 15dBm $\pm$ 2dBm
- 802.11n HT40: 14dBm $\pm$ 2dBm

Number of Operation Channels
- CU.S. 1~11
- Japan 1~13,14
- EETSI 1~13

Channel
- 2.412 ~ 2.462GHz (Canada/USA) / 11 Channels
- 2.412 ~ 2.472GHz (Europe, ETSI) / 13 Channels

IP Phone Application
- Easy to install and applicable for appointed IP phones
- Auto-sense the plug and unplug
- Proprietary interface with IP phone for handshaking
- Support IP phone auto-switch between Wire to WiFi when link is broken.
- Report IP phone site Survey and Strength status
- Able to receive the SSID, User ID/Password from phone

Physical

Antenna
- 1 fixed 2dBi detachable RSMA antenna
- 1T1R with up to 150Mbps down/up-stream

Connector
- One 10/100M RJ45 port (WAN for AP, LAN for bridge)
- Reset button: 1~3 sec for Reset, 3~5 sec for factory default reboot,
- WPS button
- DC input power adaptor jack
- One mini-USB connector for power (**Optional)

LED Indicator: Power, Activity Link

Environmental
- Operating Temperature: 0° ~ 40°C ambient temperature
- Storage Temperature: -20° ~ 65°C ambient temperature
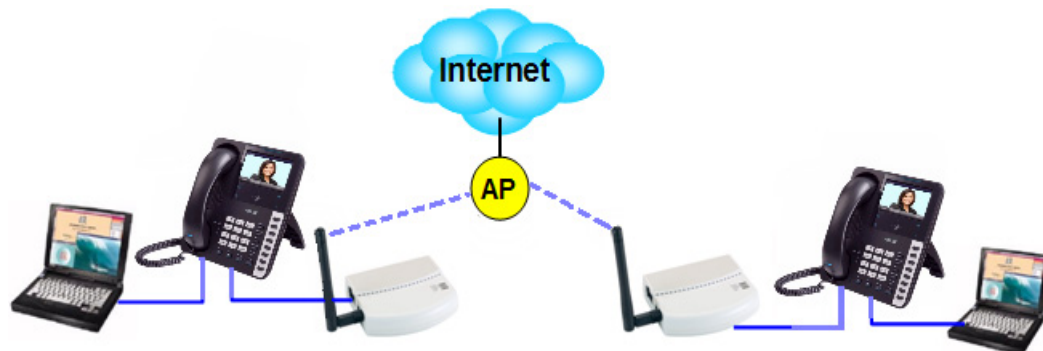- Humidity: 10 ~ 90% non-condensing

Power : External DC 5V/350mA power adaptor
Y-cable for both WR211N and IP Phone

Dimension : 102 x 71 x 20 mm3

Weight : 130g

Certification
- FCC Class B, CE / LVD Class B
- RoHS compliance

RJ45
Power DC
Antenna
Power
Activity
Link

Internet
AP