



IEEE802.11g 54Mbps Wireless Access Point ENRXWI-G

Product Description

For users seeking a simple solution to improve the reach of their wireless signal within their home or office, the ENRXWI-G is the answer. This Wireless Access Point takes an existing 802.11g wireless signal and “repeats” it to enable wireless connectivity in the basement, patio, garage or any “dead spot” areas where your original wireless signal could not reach.

The ENRXWI-G Wireless Access Point is capable of repeating the signal of virtually any 802.11g wireless router or access point out on the market today. At the same time, the ENRXWI-G can still communicate with other 802.11b/g wireless client devices.

Setup takes only a couple of minutes and keeps your network free from additional cables. After quick configuration, place the Wireless Access Point in close proximity of your wireless router or access point and begin offering a reliable connection to the rest of your home.

The ENRXWI-G Wireless Access Point also features WPA-PSK, WPA2-PSK and WEP for secure wireless communication over the network. With this level of security, your data is kept safe from the prying eyes of unauthorized users.

The ENRXWI-G Wireless Access Point is the most cost efficient solution for increasing the range of your wireless network.

Features:

Provide Ethernet to Wireless LAN bridge fully compatible on Ethernet side and fully IEEE 802.3 compatible on the Ethernet side and fully interoperable with IEEE 802.11g compliant equipment

Provide 10/100 BASE-TX Fast Ethernet interface

IEEE 802.11g Infrastructure operating mode

Dynamic data rate scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g

Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b

Allow auto fallback data rate for optimized reliability, throughput and transmission range

Supports wireless data encryption with 64/128-bit WEP standard for security

Supports WDS bridging function

Supports AP Client mode

Supports wireless security standards WPA, WPA-PSK, WPA2, WPA2-PSK

Web-based configuration management



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Specification Tables:

Standards:

IEEE 802.11b/g (Wireless LAN)
IEEE 802.3u (Fast Ethernet)

Radio Technology

802.11b: Direct Sequence Spread Spectrum (DSSS)
802.11g: Orthogonal Frequency Division Multiplexing (OFDM)

Transmission Rate

1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54Mbps (auto sense)

Receiver Sensitivity

54Mbps: Typical -68dBm @ 10% PER (Packet Error Rate)
11Mbps: Typical -78dBm @ 8% PER (Packet Error Rate)

Wireless LAN Frequency Range

2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

Modulation Schemes

DBPSK/DQPSK/CCK/OFDM

Media Access Protocol

CSMA/CA with ACK

Transmit Power

802.11g: Typical 15dBm
802.11b: Typical 18dBm

Antenna Type

One external 2dB dipole antenna

Interface

10/100BASE-TX RJ-45 Ethernet

Network Management

Web base configuration via Web Browser

Channel

USA: 1 ~ 11
Europe: 1 ~ 13
Japan: 1 ~ 14

Security

64/128-bits WEP Encryption/Decryption
WPA
WPA2
WPA-PSK
WPA2-PSK

Range Coverage

Indoor: Up to 50 meters (depends on environment)
Outdoor: Up to 100 meters (depends on environment)

Diagnostic LEDs

Power
LAN: Link, ACT
WLAN: ACT

Power Adapter

7.5V / 1A

Dimensions (W x H x D)

146 x 113 x 32mm (without antenna)

Operation Temperature

0 ~ 40 °C

Storage Temperature

-25 ~ 70 °C

Humidity

10% ~ 90% RH, no condensation

Certifications

FCC Part 15.247 for US
ETS 300 328 for Europe

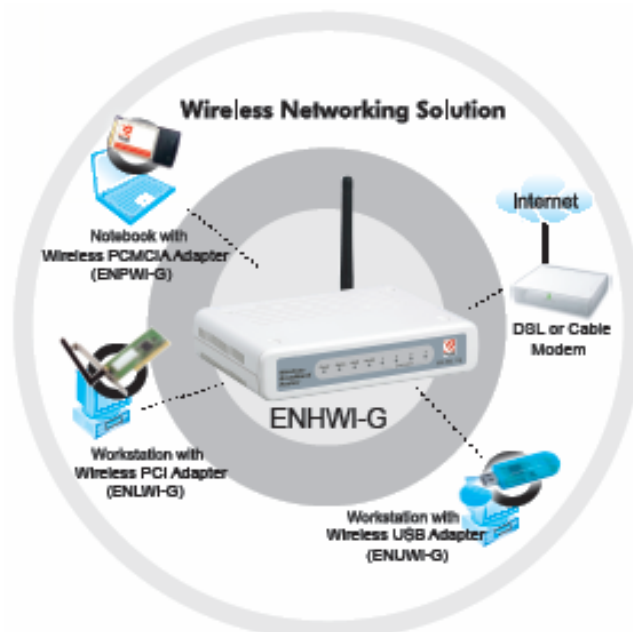


Figure 1: Usage Diagram