

FCC ID: PY305300021

Description of Operation

EUT is a Wireless Router with 11 channels. This device provided twelve kinds of transmitting speed 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48 and 54Mbps. The device of RF carrier is DQPSK, DBPSK, CCK, BPSK, QPSK, 16QAM or 64QAM. The device adapts Direct Sequence Spread Spectrum modulation (DSSS) and Orthogonal Frequency Division Multiplexing (OFDM). The antenna is Printed Antenna, and there is no antenna connector.

This Wireless Router is an IEEE 802.11b and IEEE 802.11g Wireless AP. It allows you to establish a wireless network and to link PCs and share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz DSSS or OFDM radio transmission, the Wireless Router transfers data using 64/128/152 bit Wired Equivalent Protection (WEP) algorithm encryption. In addition, its standard compliance ensures that it can communicate with any 802.11b and 802.11g networks.

There are 7 printed antennas, but only one of them will be operated while transmitting.

Product Details

Items	Description
Product Type	RangeMax Wireless Router (WPN824v2); RangeMax Wireless Access Point (WPN802v2)
Radio Type	Intentional Transceiver
Power Type	Power Adapter
Interface Type	RJ-45 (5 ports for WPN824v2; 1 port for WPN802V2)
Modulation	DSSS for IEEE 802.11b ; OFDM for IEEE 802.11g
Data Modulation	DSSS (BPSK / QPSK / CCK) ; OFDM (BPSK / QPSK / 16QAM / 64QAM)
Data Rate (Mbps)	DSSS (1/ 2/ 5.5/11) ; OFDM (6/9/12/18/24/36/48/54)
Frequency Range	2400 – 2483.5MHz
Channel Number	11
Channel Band Width (99%)	11b: 15.28 MHz ; 11g: 16.48 MHz
Conducted Output Power	11b: 19.37 dBm ; 11g: 19.43 dBm
Carrier Frequencies	2412-2462 MHz
Antenna	Printed Antennas

Accessories

Power	Brand	Model	Rating
Adapter 1	NETGEAR	DV-1280-3	Input: 120 VAC Oupput: 12VDC
Adapter 2	NETGEAR	DSA-0131F-12	Input: 100–240 VAC Oupput: 12VDC