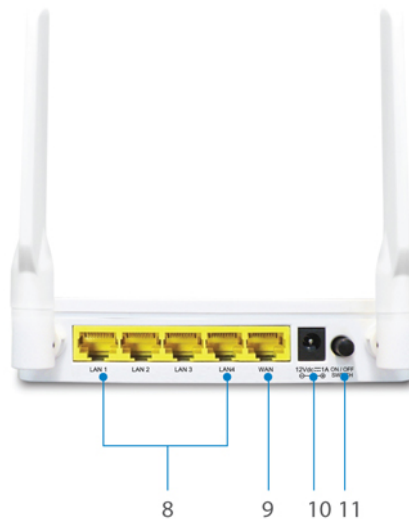




WGR-8031 Version: 1

AC1200 Dual Band Wireless Gigabit Router

The LevelOne WGR-8031 is an 802.11ac/n Dual Band Wireless Router, boasting exceedingly fast 1200Mbps speeds, very high security levels and operating bands on both 2.4 and 5GHz frequencies. With 4 built-in Gigabit LAN ports, this is an excellent choice for the modern professional working environment or smart home.



1. Power LED
2. 2.4G / 5G LED
3. WPS LED
4. WAN LED
5. LAN LED
6. WLAN button
7. WPS button
8. LAN Port
9. WAN Port
10. Power Port
11. Power on / off Switch

Key Features

- Share your wireless network up to 1200Mbps
- For IEEE 802.11a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Auto Channel Selection for low interference band
- Wireless signal on/off button
- Simple wireless connectivity and security with WPS push button
- Client isolation allows strict control of access to wireless devices on the network
- Provides up to 8 SSIDs to separate network traffic and enhance security



Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
IEEE 802.11e Wi-Fi Multimedia (WMM)
IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11AC

Memory:

8MB Flash Rom
64MB DDR2

Connectors and Cabling:

1x 10/100/1000Mbps Base-TX WAN Port
4x 10/100/1000Mbps Base-TX LAN Port

Button/Knob:

Power button
Reset button
WPS button
Wifi on/off button

Indicator:

PWR
2.4G WLAN
5G WALN
WAN Link/Act
LAN Link/Act

Power Input:

DC12V / 1A

Wireless

Operating Mode:

AP, Repeater, Bridge

Encryption:

WEP 64/128-bit Web share key encryption WPA,WPA2,802.1x
WPA, WPA2-PSK TKIP/AES encryption, WPA-PSK802.1x

Receive Sensitivity(dBm):

2.4GHz:

802.11n (20MHZ_MCS0): Range -85 dBm
802.11n (40MHZ_MCS0): Range (-82) dBm
802.11g 6Mbps: Range (-85) dBm
802.11g 54Mbps: Range (-68) dBm
802.11b 1Mbps: Range (-83) dBm
802.11b 11Mbps: Range (-76) dBm

5GHz:

802.11a 6Mbps: Range (-85) dBm
802.11a 54Mbps: Range (-65) dBm
802.11n (20MHZ_MCS0): Range (-82) dBm
802.11n (40MHZ_MCS0): Range (-79) dBm
802.11ac (20MHZ_MCS0): Range (-82) dBm
802.11ac (40MHZ_MCS0): Range (-79) dBm
802.11ac (80MHZ_MCS0): Range (-76) dBm

Channel:

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

Ch.36~48

Ch. 52~ 165(FW can implement but need to apply DFS certificate)

EIRP(dBm):

(Controllable for different country regulations)

802.11ac: up to 15dBm ± 1dBm

802.11n: up to 17dBm ± 1dBm

802.11g: up to 20dBm ± 1dBm

802.11b: up to 20dBm ± 1dBm

Antenna:

2x 5dBi Dual Band external Antenna

Frequency Band (GHz):

2.4 ~ 2.4835 GHz

5.15 ~ 5.25 GHz

5.25 ~ 5.825 GHz

Data Transfer Rate:

802.11ac : 866Mbps

802.11n: 300 Mbps

802.11g: 54 Mbps

802.11b: 11 Mbps

Features

General:

VPN: PPTP, IPSec, L2TP Passthrough

DNS: Dynamic DNS (DDNS)

2.4G Multi-SSID: 4 SSIDs, 5G Multi-SSID: 4 SSIDs

Clinet Isolation

SSID Isolation

Security:

NAT Firewall

Virtual Server

DMZ

SSID Broadcast On/Off

Tag VLAN

Management:

Web-Based GUI Configuration

QoS:

IEEE 802.11e Wi-Fi Multimedia (WMM)

Performance

Number of NAT Sessions:

11000

MAC Address Table:

20

Data Transfer Rate:

LAN/WAN: 10/100/1000Mbps

Operating Distance:

?50m



Environment

Temperature (°C):

Storage: -20 – 70°C

Operating: 0 – 40°C

Humidity (Non-condensing):

Storage: 20 ~ 95%

Operating: 20 ~ 90%

Deployment:

Desktop

Physical Specifications

Dimensions (W x D x H mm):

140x106x30 mm

Weight (g):

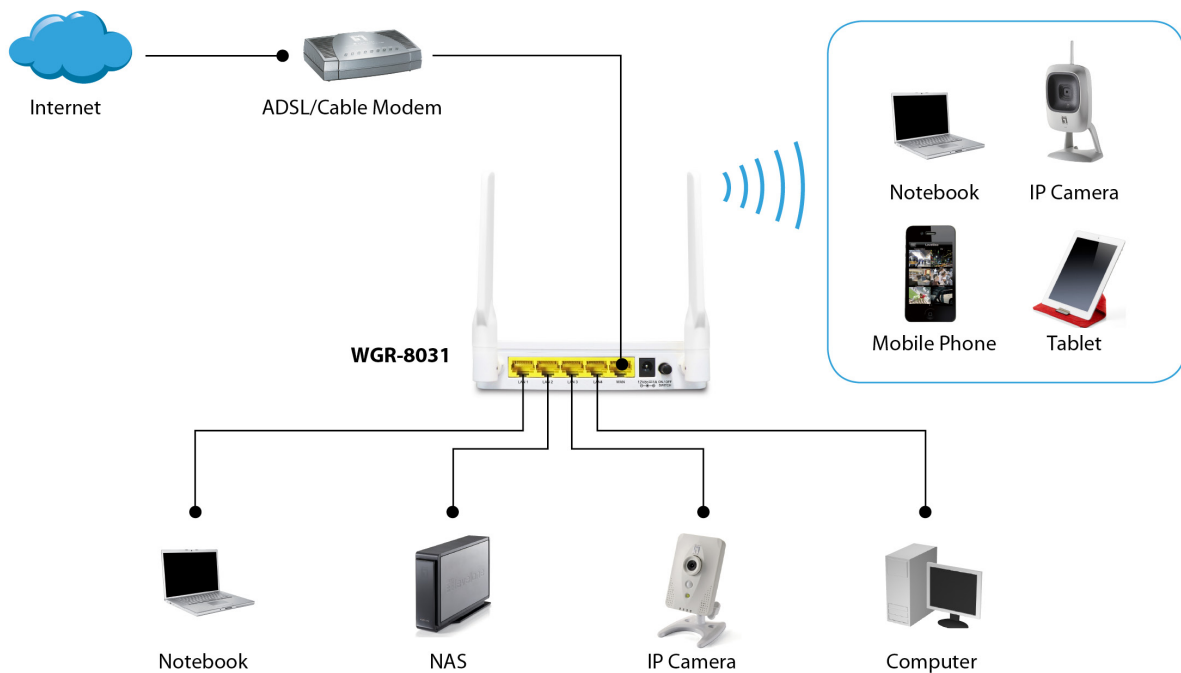
235g

Approval and Compliance

EMI/EMS:

CE

Diagram



Order Information

WGR-8031

Package Contents

WGR-8031

Quick Installation Guide

RJ45 Network Cable

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