

WGR-6013 Version: 2



Wireless Gigabit Router, 300Mbps 802.11b/g/n

The LevelOne WGR-6013 is a Wireless Gigabit Router, which uses IEEE 802.11b/g/n wireless standards to offer an extended operational range and high throughput rated at up to 300Mbps. Providing four 10/100/1000Mbps LAN ports, it maximizes high-speed Internet access capabilities. WGR-6013 is ideal for wired/wireless activities such as online gaming, video streaming, file sharing and downloading music amongst multiple users.

The router is also equipped with a WPS (Wi-Fi Protected Setup) button for wireless security, Energy Efficient Ethernet (IEEE 802.3az), WDS technology and IPv6.

The WGR-6013 provides a total solution for stable Internet connectivity that covers your entire home or office.



Key Features

- 5 Gigabit Ethernet ports
- Share your wireless network up to 300Mbps
- Enlarge wireless network coverage through WDS technology
- Concurrent Network Address Translation (NAT) sessions up to 20,000
- Auto Channel Selection for low interference band
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IPv4/IPv6 network operation
- Effortless wireless security with a simple push of the WPS button
- Built-in robust firewall to protect Internet access against intruders
- Simple setup with user-friendly interface



- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)

Highlight

Eco-Conscious Design

LevelOne is always committed to providing significant energy savings products. With the implementation of the advanced energy efficiency technology (IEEE 802.3az), allowing for monitoring the link status of each port. Therefore reducing power consumption if a connected device is not active at a certain period of time. In this way, the power can be saved and utilized more effectively.

Specifications

System Specifications

Connectors and Cabling:

4 x 10/100/1000Base-T RJ-45 LAN Port
1 x 10/100/1000Base-T RJ-45 WAN Port

Button:

WPS / Reset Button

Indicator:

Status / WAN / Wireless LAN / LAN

Power:

Power Input: DC 5V / 1.2A

Standards & Protocols:

General: 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 QoS provisioning at the MAC layer
IEEE 802.1X Port-based Network Access Control (PNAC)
IEEE 802.3az Energy-Efficient Ethernet
IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking
Static-IP Address, Dynamic IP Address, PPPoE, PPTP, L2TP

Wireless

Operating Mode:

Wireless Distribution System (WDS): One-to-Many peer AP
Wireless Internet Service Provider (WISP)
Auto Channel Selection

Encryption:

WEP 64/128-bit Web share key encryption
WPA, WPA2, WPA-PSK/WPA2-PSK, 802.1x RADIUS
128-bit TKIP/AES encryption
SSID Broadcast On/Off
Wi-Fi Protect Setup (WPS) Push Button

Receive Sensitivity(dBm):

802.11n (20MHZ): Range -72dBm ~ 87dBm
802.11n (40MHZ): Range -68dBm ~ 87dBm
802.11g: Range -72dBm ~ 91dBm Error Rate = 10% at room temperature.
802.11b: Range -86dBm ~ 91dBm Error Rate = 8% at room temperature.

Channel:

Ch.1 ~ 11 USA
Ch.1 ~ 13 EU

EIRP(dBm):

802.11n:12dbm $\pm$ 1dBm

802.11g:14dbm ±1dBm

802.11b:17dbm ±1dBm

Antenna:

2 x 2dBi detachable antenna (5dBi option available)

Frequency Band (GHz):

USA: 2.412 ~ 2.462 GHz

EU: 2.412 ~ 2.472 GHz

Features

General:

VPN: PPTP, IPSec, L2TP Passthrough

DNS: Dynamic DNS (DDNS)

DHCP: Dynamic IP Address (DHCP Client)

IPv6: Supports IPv4 / IPv6 network operation

Security:

Firewall: DoS Detection; NAT Firewall with SPI mode; Virtual Server, DMZ; Schedule-Based MAC, IP, Domain and URL Filtering; ALG

Access Control: Domain Access Control

Filtering: IP / MAC Address Filter

Management:

Diagnosis: Syslog

Network: Remote/HTTP Management

Simple Network Management Protocol (SNMP)

Performance

Concurrent NAT Session:

20,000

Data Transfer Rate:

LAN: 10/100/1000Mbps

Wireless:

- IEEE 802.11n: 300 ~ 78 Mbps

- IEEE 802.11g: 54 ~ 6 Mbps

- IEEE 802.11b: 11 ~ 1 Mbps

Environment

Power Saving:

IEEE 802.3az - Energy Efficient Ethernet:

- Active Link Detection for LAN Ports

- Low Power Wireless Mode

- Smart Scheduled Sleep Mode

Temperature (°C):

Operating: 0°C ~ 40°C

Storage: -10°C ~ 70°C

Humidity (Non-condensing):

Storage: 0 ~ 95%

Operating: 10 ~ 90%

Physical Specifications

Dimensions (W x D x H mm):

119 x 185 x 32 mm

Others

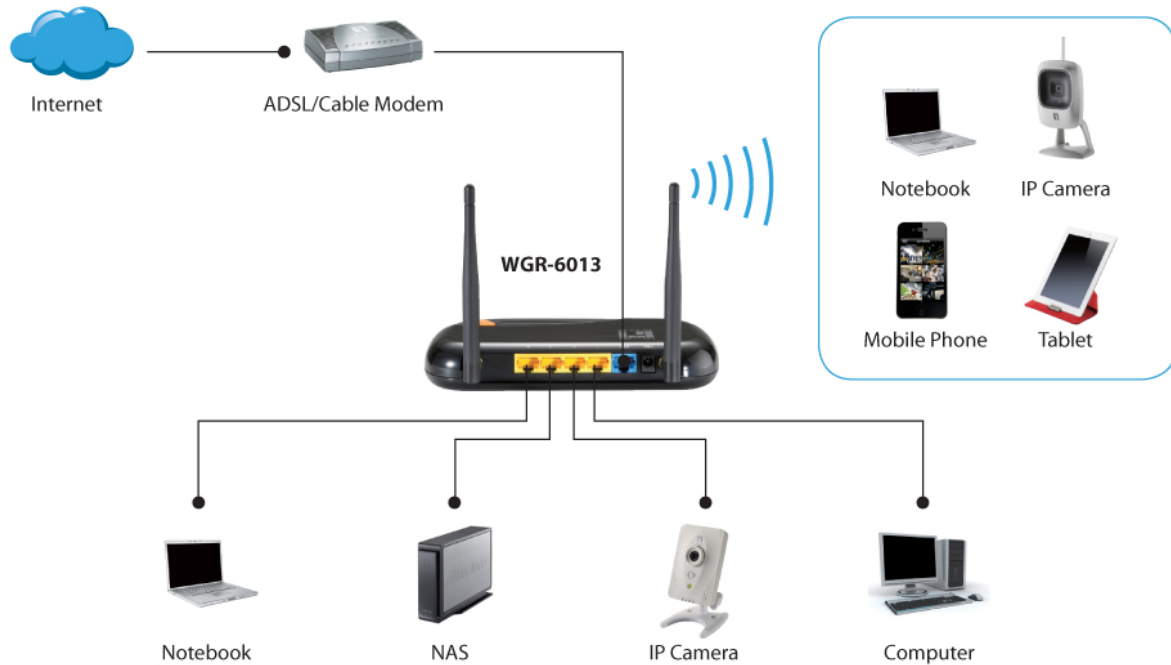
Approval and Compliance:

CE, FCC, NCC

Deployment:

Desktop, wall-mountable

Diagram



Order Information

WGR-6013

Package Contents

WGR-6013
Power Adapter
Antenna (x2)
RJ45 Ethernet Cable
Quick Installation Guide
Resource CD (User Manual, Utility)

All mentioned brand names are registered trademarks and property of their owners.
Copyright © Digital Data Communications GmbH, Germany. All Rights Reserved.