



300Mbps Wireless Gigabit Router



WGR-6013

H/W Version: 1

Product Overview

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 and IPv6.

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



1. LED Indicators
2. Reset Button
3. WPS Button
4. LAN Interface
5. WAN Interface
6. Power Port
7. Wall-Mount Design

Key Features

- Enlarge wireless network coverage through WDS technology
- Auto Channel Selection for low interference
- Managed and deployed at IPv6 network operation band
- Share your wireless network up to 300Mbps
- Built-in robust firewall to protect Internet access against intruders
- Effortless wireless security with a simple push of the WPS button
- Simple setup with user-friendly interface
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)

Works Well With



WUA-0616
300Mbps Wireless USB Adapter



GNS-1001
1-Bay Gigabit Network Storage

Technical Specifications

Standard Compliant

IEEE802.3, IEEE 802.3u, IEEE 802.3ab,
IEEE 802.11b, IEEE 802.11g, IEEE 802.11n,
IEEE 802.11e, IEEE 802.1x,
IEEE 802.3az,

Hardware Specification

LAN-Interface

4x 10/100/1000 Mbps Auto-MDIX RJ-45 Port

WAN-Interface and Standards

1x 10/100/1000 Mbps Auto-MDIX RJ-45 Port
Static-IP Address, Dynamic IP Address (DHCP Client), PPPoE,
PPTP, L2TP, WISP

Antennas

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

Radio

Wireless Data Transfer Rate

802.11n: 300 ~ 78 Mbps
802.11g: 54 ~ 6 Mbps
802.11b: 11 ~ 1 Mbps

Output Power

802.11n:12dbm ±1dBm
802.11g:14dbm ±1dBm
802.11b:17dbm ±1dBm

Sensitivity

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.

Number of Channels

(2.412 ~ 2.462 GHz)Ch.1 ~ 11 USA
(2.412 ~ 2.472 GHz)Ch.1 ~ 13 EU

Operating Frequency

2.4 ~ 2.472 GHz

Software Specification

Wireless Features

Auto Channel Selection

Wireless Security

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

WDS

One-to-Many peer AP

Firewall

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

Other Features

UPnP Supported, ALG, VPN Pass-Through (PPTP, IPSec, L2TP),
IPV6,

Management

SNMP, UPnP IGD, Syslog, DDNS,

Firmware Upgrade

Web-based (HTTP)

Supported Operating Systems

Windows 2000/XP/Vista/7

Physical Specification

Power Adapter

DC 5V / 1.2A

Dimensions: (L x W x H)

185mm x 119mm x 32mm

Certifications

CE, FCC

Environment Specification

Operating Temperature

Temperature: 0°C ~ 40°C, Humidity: 10~90% non-condensing

Storage Temperature

Temperature: -10°C ~ 70°C, Humidity: 0~95% non-condensing

Product Diagram



Order Information

Package Contents

WGR-6013: 300Mbps Wireless Gigabit Router

WBR-6013

RJ-45 Cable

Power Adapter

Quick Installation Guide

CD Manual/QIG/Utility

Antenna x2 (for detachable only)