



300Mbps Wireless Router



WBR-6012

H/W Version: 2

Product Overview

LevelOne 300Mbps Wireless Router, WBR-6012, provides the highest level of security with enhanced 300Mbps wireless N speed and coverage to share files, play games, and stream video wirelessly. A perfect solution Suited for your most most demanding home networking needs.

Exceptional Wireless Performance

Experience incredible wireless high speeds of up to 300Mbps– that’s five times faster than Wireless G technology – making it perfect for those that require a robust router that will provide high wireless throughput for activities such as online gaming, video streaming, file sharing, and downloading music amongst multiple users. Furthermore, it is backward compatible with legacy Wireless B and G devices

Comprehensive Network Security

Your network security is always our first priority. Our device supports the following features: SPI (Stateful Packet Inspection), packet filtering, domain

filtering, URL content filtering and MAC control. All these features are dedicated to provide maximum protection against IP-based attacks, Dos (Denial of Service) attacks, unauthorized access and harmful websites.

Quick To Install

There are two approaches to have your network set up quickly and hassle-free. You can either install an Easy Setup Utility program from the provided CD or browse the intuitive web-based user interface to complete the setup wizard. Both features provide step-by-step guidance that allows you to setup the device without sacrificing any key features.

Remark: Maximum wireless speed is derived from IEEE Standard 802.11n specifications. Actual speed will vary and depend on network conditions and environmental factors.

Front View and Rear View



1. LED Indicators
2. WPS/Wireless ON and Reset 3 in1 Button
3. LAN Interface

4. WAN Interface
5. Power Port
6. Wall-Mount Design

Key Features

- Upgrades your wireless network up to 300Mbps
- Enlarge wireless network coverage through WDS technology
- Concurrent Network Address Translation (NAT) sessions up to 20,000
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IGMP to optimize video transmission
- Effortless wireless security with a simple push of the WPS button
- QoS control for traffic prioritization and bandwidth management
- Auto Channel Selection for low interference band
- Built-in robust firewall to protect Internet access against intruders
- Simple setup with user-friendly interface
- Supports LevelOne Green power saving technology

Works Well With



WUA-0616
300Mbps Wireless USB Adapter



GNS-1001
1-Bay Gigabit Network Storage

Technical Specification

Standard Compliant

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

Hardware Specification

LAN-Interface

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

WAN-Interface and Standards

1x 10/100 Mbps Auto-MDIX RJ-45 Port

Static-IP Address, Dynamic IP Address (DHCP Client), PPPoE, PPTP, L2TP

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

WiFi 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

QoS Support

Port Number and IP Address Traffic Prioritization

802.11e WMM Supported

Other Features

Other Features

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

Wake on LAN,

Management

SNMP, UPnP IGD, Syslog, Email Alert

Firmware Upgrade

Web-based (HTTP)

Supported Operating Systems

Windows 2000/XP/Vista/7

Physical Specification

Power Adapter

DC 5V / 1A

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 Content

WBR-6012: 300Mbps Wireless Router

WBR-6012

Network Cable

Power Adapter

Quick Installation Guide

CD - User Manual/QIG

Antenna x2 (for detachable only)