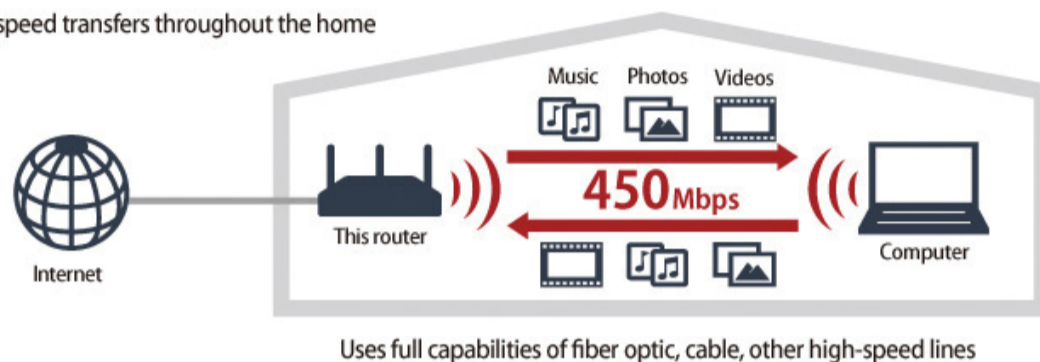


WZR-HP-G450H

Triple 5 dBi Antenna maximize signal strength

Extended wireless performance and range

High-speed transfers throughout the home



This high power wireless LAN router and access point supports the 802.11n standard for rapid data transfers of up to 450 Mbps*. Such speedy transmissions let you make full use of the bandwidth available with optical fiber and other high-speed circuits, so connecting to the Internet to download images and music, transfer large files, play HD movies, and more is now easier and more enjoyable than ever.

USB Port expands NAS capabilities

Equipped with rear-panel USB port



The router is equipped with a USB port that lets you connect a USB hard drive, USB flash memory, or other USB storage devices. You can connect a USB drive and use it as a networked attached storage (NAS) for sharing data from your home PC or digital appliances. There are no complicated settings to make—just connect the USB cable to turn your USB hard drive into an additional NAS.

Choice of user-friendly Buffalo firmware or optional "DD-WRT for BUFFALO"

This router comes with BUFFALO's original easy-to-use firmware. No hassle, no headaches, just a simple setup, right out of the box. Alternatively, professional and other power users can use the simple setup wizard CD-ROM to install the industrial-grade "DD-WRT for BUFFALO" firmware.



| | | | | |
|-------------------|----------------------------|---------------------------|------------------|---------------------|
| 450 Mbps 3 x 3 | 11n 2.4GHz | Auto Channel Selection | Giga Ethernet | AOSS for Android |
| Guest Port | Power Save Up To 69% | DD-WRT Firmware | QoS | VPN |
| USB 2.0 port | USB NAS | BitTorrent | WebAccess | Movie Engine |
| DLNA | Print Server | 3 YEAR WARRANTY | | |



Features

- HighPower technology improves coverage and reduce or even eliminate dead spots
- 3 x 3 MIMO technology for higher data transfer rates up to 450 Mbps*
- Backward compatible with 2 x 2, 1 x 1, 802.11g, and 802.11b devices
- 3 flexible 5 dBi intelligent antennas provide better transmission and adjustable sensitivity
- Allows up to 4 simultaneous Gigabit wired connections
- True VPN Endpoint - Access your network from anywhere in the world
- USB 2.0 for NAS and printer capabilities
- Wi-Fi Certified™ - Ensures compatibility with other certified devices
- Choice of pre-installed user-friendly BUFFALO firmware or optional "DD-WRT for BUFFALO" professional-grade firmware

- Multi-level Wireless Security Support: WPA2(TKIP, AES), WPA-PSK (TKIP, AES), and WEP (128/64-bit)
- Easy setup with application for Android smartphones, AOSS for Android
- Simple to install and use - even for the novice user
- Eco Minded - Energy saving feature reduces power consumption by 69%**
- Can be positioned vertically or horizontally or wall-mounted
- 3-Year Warranty

WZR-HP-G450H

Specifications

Model

WZR-HP-G450H

Wireless LAN Interface

| | |
|---------------------------|---|
| Standard Compliance | IEEE802.11n/g/b |
| Transmission Method | Direct Sequence Spread Spectrum(DSSS),OFDM, MIMO |
| Frequency Range (Channel) | 2412 - 2472MHz (1 - 13ch) |
| Transmission Rate | IEEE802.11n: Max 300 Mbps IEEE802.11g: Max. 54 Mbps IEEE802.11b: Max. 11 Mbps |
| Security | WPA2-PSK(AES,TKIP), WPA-PSK(AES,TKIP), 128/64bit WEP |
| Antenna | 3(External), 3(Internal) |

Wired LAN: Internet

| | |
|---|--|
| Standard Compliance | IEEE802.3/3u/3ab |
| Communications Protocol transmission path | TCP/IP |
| Speed and Flow Control | 1000/100/10 Mbps (Auto Sensing) |
| IP Approval Method | Manual / DHCP / PPPoE |
| Number of Ports | 1 (Support AUTO-MDIX) |
| Connector Type | RJ-45 8-Pin Connector |
| Security | SPI, Packet Filtering, VPN Multi-Pass Through(PPTP) |

Wired LAN: Switching Hub

| | |
|---|--|
| Standard Compliance | IEEE802.3/3u/3ab |
| Communications Protocol transmission path | TCP/IP |
| Speed and Flow Control | 1000/100/10 Mbps (Auto Sensing) |
| IP Approval Method | Manual / DHCP / PPPoE |
| Number of Ports | 1 (Support AUTO-MDIX) |
| Connector Type | RJ-45 8-Pin Connector |
| Security | SPI, Packet Filtering, VPN Multi-Pass Through(PPTP) |

USB Interface

| | |
|---------------------|---------|
| Standard Compliance | USB 2.0 |
| Connector Type | A Type |
| Number of Ports | 1 |

*450 Mbps is the maximum wireless signal rate derived from IEEE802.11n standard specifications. Actual data throughput and range will vary depending upon network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead. Maximum speed and range is achievable when used with same enhanced mode technology.

**Testing conducted by BUFFALO in August 2011. Power meter: DIGIAL POWER METER WT210, Wired PC: Dell Vostro200 Pentium Dual E21801GB RAM Windows XP SP3, Wireless PC: Lenovo ThinkPad R61Core2Duo 1.8GHz512MB RAMwindowsXP SP2 WLI-UC-G300N

***Guest Port, BitTorrent, WebAccess, Movie Engine, Print Server, DLNA function are not available if the router is switched to professional Firmware (DD-WRT).

Other

| Setup Utility OS Support | Windows | | | | Mac OS X |
|--------------------------|--------------|------------------|------------------|------|------------------------------|
| | 7 (32/64bit) | Vista (32/64bit) | XP (Include MCE) | 2000 | 10.7 10.6 10.5 10.4 |
| WZR-HP-G450H | ✓ | ✓ | ✓ | ✓ | ✓ |
| Software | | | | | |
| Air Navigator | ✓ | ✓ | ✓ | ✓ | - |
| Client Manager V | ✓ | *2 | - | - | - |
| Client Manager 3 | - | - | ✓ | ✓ | - |
| AOSS Assistant | - | - | - | - | *1 |
| 3G Connection Manager | ✓ | ✓ | ✓ | - | ✓ |
| USB dlna Server | ✓ | ✓ | ✓ | - | - |

† Print server feature is not supported yet.

*1 Only works with Intel CPU on-board device

*2 There is no client wireless LAN product(exclude client wireless LAN device for LAN terminal) for Windows Vista SP1/SP2 x64 Edition at this moment [September, 2011 present]. Please use with wireless LAN built-in computer.

| | |
|-----------------------|---|
| Dimensions (WxHxD) | 35 x 158 x 165 mm (Exclude antennas and a stand) |
| Net Weight | 404 g (Exclude a stand) |
| Operating environment | Temperature 0 - 40°C / Humidity 20 - 80% (Non-condensing) |
| Power consumption | Max. 16.9W |
| Power supply | AC100V 50/60Hz |
| Warranty | 3-Year |

Package Contents

AirStation HighPower N450 Giga WZR-HP-G450H
3 Antennas (HighGain 5 dBi Buffalo Custom)
LAN cable (Flat 2m Cat5e UTP Straight White)
CD-ROM Setup Wizard
AC power
Wall mount Screw (M3*25)
Manual Quick Setup Guide
Stand (with Rubber Feet)
USB Cable
Warranty Statement



About BUFFALO

BUFFALO Inc., based in Nagoya, Japan, is a leading global provider of award-winning networking, storage and multi-media solutions for the home and small business environments as well as for system builders and integrators. With three decades of networking and computer peripheral experience, BUFFALO has proven its commitment to delivering innovative, best-of-breed solutions that have put the company at the forefront of infrastructure technology.

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