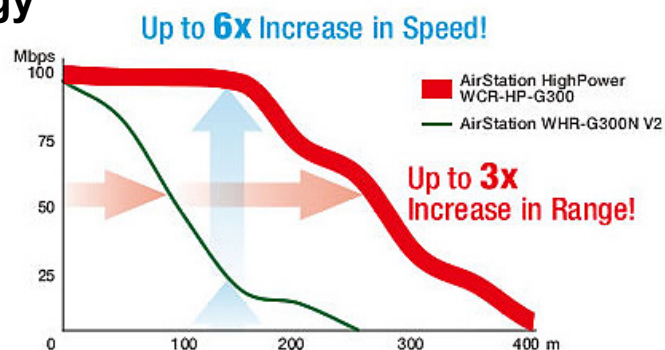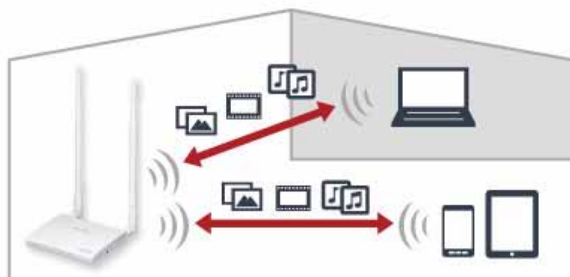# High-performance, powerful, fast data transfers

■ High Power technology

Dead spots in your home can slow down your wireless access and even prevent you from getting online. Advanced HighPower technology from BUFFALO enhances signal strength and can almost double the range.

Up to 6x Increase in Speed!

- AirStation HighPower WCR-HP-G300
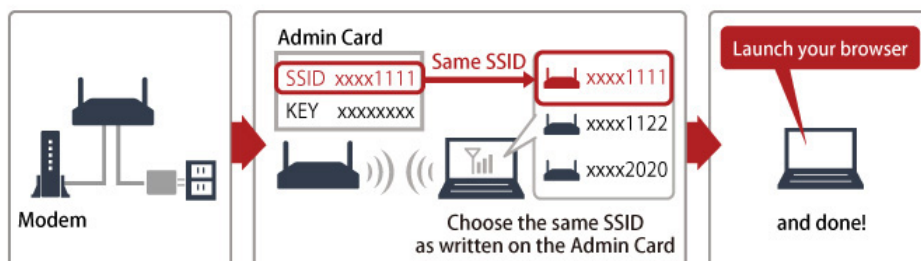- AirStation WHR-G300N V2

Up to 3x Increase in Range!

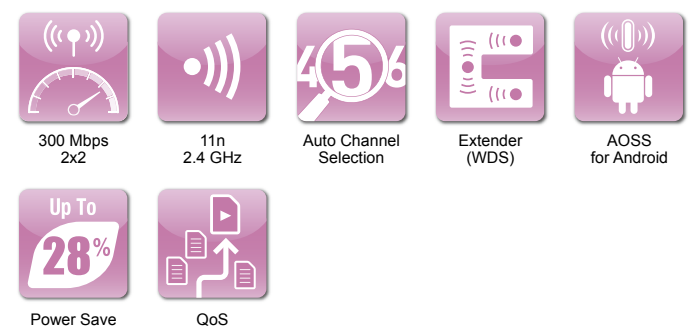## ■ Excellent wireless LAN range and reliability

This router features a pair of detachable 8 dBi antennas, providing an incredible boost in signal strength for increased range and much more stable data transfers. Furthermore, 11n standard transfers data up to 300 Mbps*. This combination of features improves range by allowing the signal to bypass obstacles, helping to reduce dead spots that block wireless transmission in your home, so you can enjoy much faster and even more stable delivery of streaming of HD video and other data-rich digital content. This also makes the router the optimal way to link your smartphone to your home network for smooth, seamless, trouble-free streaming of video and music.

■ Easy setup without CD

Admin Card
SSID xxxx1111 Same SSID
KEY xxxxxxxxx

xxxx1111
xxxx1122
xxxx2020

Modem

Choose the same SSID as written on the Admin Card

Launch your browser

and done!

Setting up the router is simple and quick with the web-based setup wizard. First, connect your router and modem, then plug in the router to the AC adapter to turn it on. Secondly, search for the available LAN connection on the network from your computer. Choose the same SSID as written on the Admin Card. Third, launch your web browser and setting screen appears. Set the operation condition as needed to complete the setup. (some environments may require PPPoE settings). It's that simple!

300 Mbps 2x2	11n 2.4 GHz	Auto Channel Selection	Extender (WDS)	AOSS for Android
Up To 28% Power Save	QoS			

Wi-Fi PROTECTED SETUP™

AOSS™

BUFFALO

JAPAN QUALITY No.1 Sales in JAPAN

BCN AWARD 2011

Features

- **HighPower technology improves coverage and reduce or even eliminate dead spots**
- **802.11n standard for higher data transfer rates up to 300 Mbps***
- **Double high-power 8 dBi detachable antennas for excellent wireless LAN range and reliability**
- **Backward compatible with 1 x 1, 802.11g/b devices**
- **High-spec Ralink 400MHz CPU**
- **Improved, easier setup—simple and quick with the web-based setup wizard**
- **Wireless Distribution System (WDS) extends wireless network across access points**

- **Easy setup with AirStation One-Touch Secure System (AOSS™)**
- **Easy wireless network configuration with application for Android smartphones, AOSS for Android**
- **Multi-level Wireless Security Support: WPA2-PSK (TKIP, AES), WPA-PSK (TKIP, AES), and WEP (128/64-bit)**
- **Eco minded - Energy saving feature reduces power consumption by 28%****
- **Allows up to 4 simultaneous wired connections**
- **Compact chassis**
- **3-Year Warranty**

WCR-HP-G300

Specifications

■ Model

WCR-HP-G300

■ Wireless LAN Interface

Standard Compliance	IEEE802.11n/g/b
Transmission Method	Direct Sequence Spread Spectrum (DSSS), OFDM, MIMO
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	2 x 8 dBi detachable antennas

■ Wired LAN Internet

Standard Compliance	IEEE802.3/3u
Speed and Flow Control	100/10 Mbps (Auto-Sensing)
Number of WAN Ports	4
Connector Type	RJ-45 (Auto MDIX)

■ WAN Interface

Transmission Rate	100/10 Mbps (Auto-Sensing)
Number of WAN Ports	1
Connector Type	RJ-45 (Auto MDIX)
WAN Security	Dynamic Packet Filtering, Intrusion Detector, NAT/SPI Firewall

■ Others

		Windows				Mac OS X
OS Support						
		7 (64-bit/ 32-bit)	Vista (64-bit/ 32-bit)	XP (Include MCE)	2000	10.7 10.6 10.5 10.4
	WCR-HP-G300	✓	✓	✓	✓	✓

Dimensions (WxHxD)	120 x 105 x 22 mm (Exclude antennas)
Net Weight	208 g
Operating environment	0 - 40°C, 20 - 80% RH (Non-condensing)
Power consumption	Max. 4.0W
Power supply	AC 100-240V, 50/60 Hz
Warranty	3-Year

■ Wired LAN Internet

AirStation N300 Wireless-N Router & Extender WCR-HP-G300
2 Detachable 8 dBi Antennas
Quick Setup Guide
Ethernet Cable
AC Adapter
Admin Card
Warranty Statement

*300 Mbps is the maximum wireless signal rate achievable using two streams of 150 Mbps each. 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 February 2012 <Devices> Wattmeter: YOKOGAWA WT210 Data Quality Analyzer: Netcom Systems Ethernet Switch Tester SMB-2000 <Measurement method>Connect all ports to data analyzer, then transfer broadcast packet from data quality analyzer to wired LAN port, and the power consumption was measured after data transfer was started.
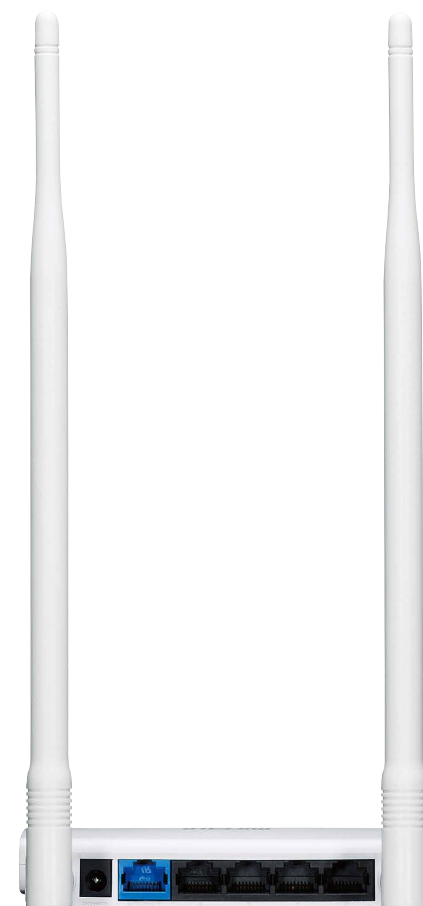
About BUFFALO   www.buffalo-asia.com

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.