

MODEL NUMBER

WF-802GW



802.11ac Wireless Network Extender with G.hn, Gigabit Ethernet & 802.11ac

Let's face it - we've all seen weak signals and dead zones in our customers' homes. Maybe their Wi-Fi is great upstairs but spotty at best downstairs. Or maybe they want to stream a video in the backyard on a tablet? This Wi-Fi extender uses the home's existing electrical wiring to boost the Wi-Fi signal to devices like wireless tablets, doorbells, thermostats and security cameras.

Resolve WiFi and Customer Device Issues without a Truck Roll

Your customer's homes and office networks are more congested than ever, with video streaming and online gaming vying for bandwidth. When the spinning wheels and progress bars slow down, your call center lights up with calls about slow service. The solution? Now you can see past the curb and into your customer's network.

The WF802GW supports Optim's Managed WiFi Service, giving your technicians the ability to troubleshoot WiFi issues remotely. Technicians can see which devices are connected to each router or another access point within your network. They can drill down into the data to visualize the strength of each connection, and a host of other actionable information.

Key Features

- 2x2 MIMO 802.11ac 5GHz
- 2x2 2.4GHz radio
- Works over home's existing powerlines
- AP/Client mode operation

Get a Wired Connection without an Expensive Wiring Project

The WF-802GW uses G.hn as "backhaul" to give your customers a bigger pipe to the router. By just plugging in the device your customers build this magic pipe. And unlike older network extenders and repeaters, the new WF-802GW G.hn wireless signal is not affected by other household appliances - which ensures optimal network performance throughout their home and surrounding areas, like the garage and backyard.

Installation So Easy It Ought to be Illegal

Installation is a breeze. Just plug in a WF-802GW anywhere in your customer's house where their Wi-Fi signal is weak and watch as it boosts the wireless signal. Managing the WF-802GW is easy as well. Connect remotely via TR-069, TR-111, and TR-181 to set limits and custom configure your customer's Wi-Fi service.

- TR-069 Controlled Setup
- WPS (Wi-Fi Protected Setup)
- WPA2, WPA security with AES encryption

Specifications

Protocols

- Wireless IEEE 802.11ac
- Ethernet IEEE 802.3/802.3u/802.3ab, 10/100/1000 Base-t
- G.hn

Wi-Fi

- Dual-Band Concurrent 2.4GHz and 5GHz 802.11 a/b/g/n/ac
- 2.4GHz/5GHz Two-stream Spatial Multiplexing
- 2.4GHz: 20MHz/40MHz
- 5GHz: 20MHz/40MHz/80MHz
- Up to 8 SSIDs (4 SSIDs per radio)
- 2x2 Internal Antenna for 2.4 GHz
- 2x2 Internal Antenna for 5 GHz
- Wi-Fi Multimedia (WMM), WMM Power Save (WMM-PS)
- Band Steering
- MIMO

Wi-Fi Security

- Wi-Fi Protected Access (WPA, WPA2)
- Wi-Fi Protected Setup (WPS) with WPS Push Button
- Pre-Shared Key (PSK)
- AES Encryption

Data Rate

- Up to 1 Gbps G.hn
- Up to 1 Gbps Ethernet
- Up to 300 Mbps Wireless 2.4 GHz
- Up to 628 Mbps Wireless 5 GHz

LAN Interfaces

- One 10/100/1000 BaseT 802.3ab Energy Efficient Ethernet
- G.hn
 - One Powerline Jack
 - Network Size: 16 Devices
 - Baseband Plans for 50/100 MHz + MIMO

Setup Options

- Auto Sync Capability with Wireless Router/ Gateway for Zero Configuration
- AP/Client Mode Operation
- TR-069 Controlled Setup
- WPS (Wi-Fi Protected Setup)
- G.hn Auto-Pairing
- IEEE 1905.1 Ready

Device Management

- Password-protected Access
- Statistics Logging and Reporting
- Remote Management: TR-069, TR-181/XMPP/TR-111
- Local Management: WebUI, CLI (Telnet)
- Optim Managed Wi-Fi

Hardware

- Flash Memory 128 MB
- SDRAM 256 MB

Power

- Input 100-240V @0.35A
- Output 5VDC @2.0A

Environmental Conditions

- Ambient Temperature Range: 0 - 40°C
- Storage Temperature Range: -20 - 85 °C
- Operating Humidity: 10% - 85% Non-condensing

Regulatory Approvals/ Certifications

- FCC 15B, 15C, 15E (DFS)
- IC ICES-3(B)/NMB-3(B), IC RSS-247, IC CS-03
- UL, cUL 60950-1
- ITU-T K.21
- WiFi, WPS
- HomeGrid Forum G.hn Certified
- RoHS
- SNE

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- Theoretical data throughput numbers are based on maximum, theoretical PHY throughput for G.hn. Actual data throughput of up to 1.06 Gbps (TCP) seen in laboratory testing. The throughput will vary based on the condition and noise found on the coaxial cabling within the home as well as the type of Ethernet Adapter supported on each computer or other device.
- Electrical outlets and Electrical wiring must all be part of the same electrical system. Certain electrical conditions in your home, such as wiring conditions and configuration may effect the performance of this product. A minimum of two Actiontec Powerline Network Adapters are required to create a network, unless the user has a modem, router or gateway with G.hn built in.
- Actiontec makes no express or implied representations or warranties about this product's compatibility with any future standards.

Product photo may differ from actual product, however functionality remains as stated above.

- Specifications are subject to change without notice.

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