# HomeMesh<sup>TM</sup> G.hn WF-802G Family

## Product Datasheet

VERSION3.0

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*Partnership for the Next Generation Broadband Solution*

## ■ Overview

WF-802G product family is composed of two distinct products designed to extend network connectivity at home using G.hn (wave 2) technology. G.hn is a technology based on ITU-T G.9960 and G.9961 standards that provides high-speed connectivity over different types of home wiring (e.g., coaxial cable and power line).

WF-802G can provide 200MHz bandwidth and up to 2Gbps traffic throughput in your home. You can stream full HD/4K videos to your devices. You also can enjoy the high speed online gaming, even VR games.

WF-802G is very easy to install, just input a pair of devices into the power plug mount, and press the paring button.  You can complete all of these in few minutes.
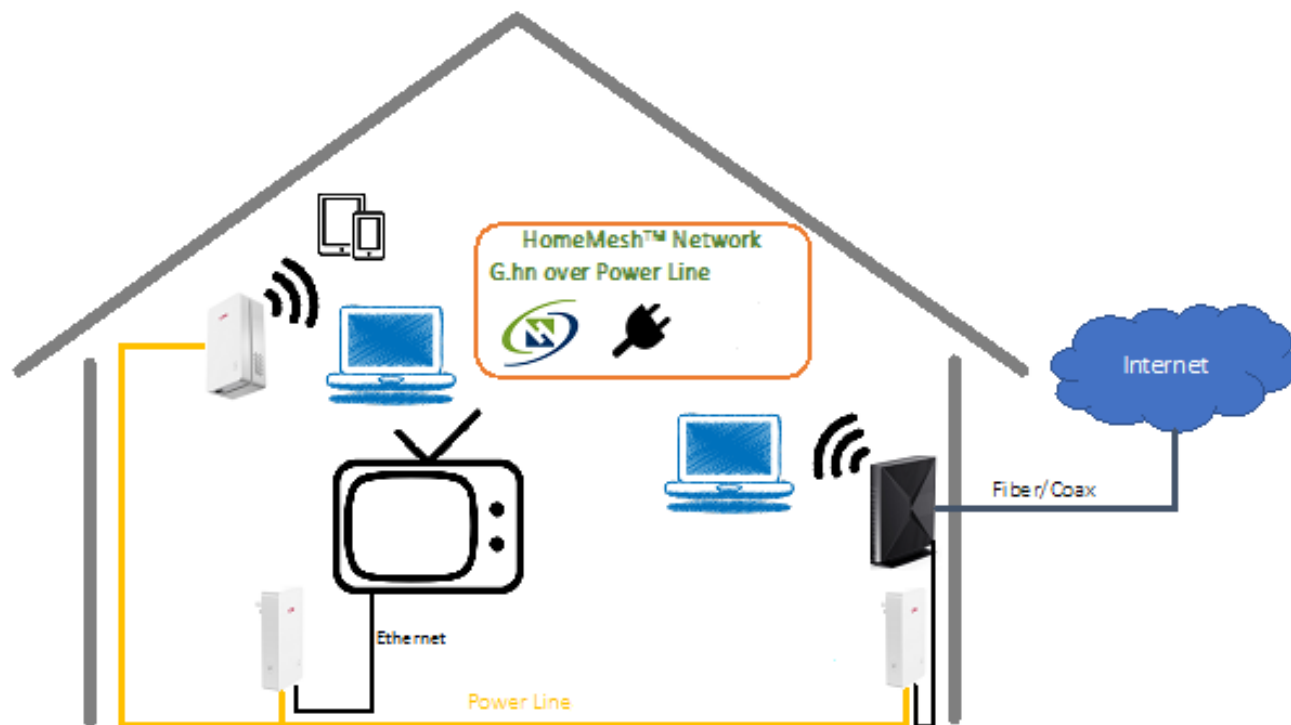
## Key Features

- Miniature power plug mount
- G.hn wave 2 over powerline
- Compliance to ITU-T G.9960 and G.9961
- Support both SISO and MIMO(G.9963)
- Bandwidth: 2MHz ~ 100MHz/200MHz
- Up to 2Gbps throughput (theoretical)
- 1 x GE RJ45 LAN
- 1 x Push-button pairing
- 3 x Status LEDs (Signal/ G.hn/ LAN)

## ■ Specification

| Item | WF-802G |
|---|---|
| Dimension (W x D x H) | 120mm × 65mm × 23mm |
| Weight | 200g |
| Installation | Miniature power plug mount |
| LEDs | Signal/ G.hn/ LAN |
| Interface | 1 x GE RJ45 LAN<br>1 x Push-button pairing |
| Input Voltage | 100~240VAC |
| Power consumption | < 7W |
| **Environmental Specification** | |
| Temperature | Operation: 0℃ ~ +40℃<br>Storage: -20℃ ~ +85℃ |
| Operating Humidity | 5% ~ 95% (non-condensing) |
| Elevations | 86kPa ~ 106kPa altitude |
| Dustproof and Waterproof | IP20 |
| Safety | NRTL Listed 60950 (US & CA)<br>CB with IEC/EN 60950-1 (Basic safety certificate for worldwide marketing)<br>UL2043 (Plenum rating)<br>FCC<br>CE IEC60950-1 |
| **Reliability** | |

| Item | WF-802G |
|---|---|
| MTBF | > 300,000 Hours<br>Telcordia SR-332, Reliability Prediction Procedures for Electronic Equipment, Issue 3, Method 1, Case 3, GB/GC (Ground Benign, Controlled) environment, 25ºC ambient temperature. Steady state, not including software failure. |
| AFR | AFR (Annualized Failure Rate) < 1.5% (in continuous operation) |
| **Chipset** | |
| SoC | Marvell 88LX5152A0 (G.hn) |
| Flash | 4MB SPI NOR flash |

## ■ Contact Information

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