

# G.hn Wave2 Powerline AX1800

## Wi-Fi 6 Desktop AP

G.hn | 100MHz MIMO | 4x GE LAN | DB 802.11ax | 2T2R | Easy Mesh | Data Elements | OpenSync

# PG-9187



The **PowerGrid 9187**, ITU-T G.hn networking standard compliant powerline extender is designed to meet the growing demand for perfect connectivity and coverage across multiple devices connected concurrently. The G.hn wave2 powerline AX1800 allows users to take Wi-Fi anywhere throughout the home for simultaneous Internet/video streaming.

The device supports Wi-Fi 6 802.11ax AP, enabling high speed wireline and wireless connectivity needed for multiple devices operating simultaneously in connected homes. The PowerGrid 9187 is able to support the Wi-Fi Alliance EasyMesh standard, Data Elements and OpenSync for the future mesh applications.

### KEY FEATURES

- **G.hn MIMO Performance:** Supports ITU-T G.hn on G.9960, G.9961, G.9963 boosting PLC throughput up to 1.2Gbps PHY rate over powerline.
- **Concurrent Dual Band Wi-Fi 6 11ax:** Industrial leading integrated dual-band Quad Core SoC. Chip.
- **Target Wake Time:** Allows resource scheduling to significantly improve device battery life, which is particularly important for IoT application.
- **Improved Performance in Dense Environments:** New Wi-Fi 6 features including BSS coloring and ODFMA increase performance in dense Wi-Fi environments.
- **Advanced Security Design:** Unique Device Certificate in production, and Secure Boot software mechanism to protect the overall security of the customer.
- **Future Advanced Wi-Fi Feature (in Roadmap):** EasyMesh, Data Elements, OpenSync for the future mesh applications.

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## SPECIFICATIONS

<b>Interfaces</b>	<ul style="list-style-type: none"><li>4x Gigabit Ethernet LAN</li><li>1x USB 3.0</li><li>LED Indicator: system status</li><li>Buttons: G.hn pairing, RESET</li><li>2x Internal Wi-Fi DB Antenna</li><li>3-pin AC socket</li></ul>
<b>G.hn (PLC)</b>	<ul style="list-style-type: none"><li>ITU-T G.9960, G.9961, G.9963 compliant</li><li>G.hn 100MHz MIMO</li><li>AES 128 bits encryption ensures total data security</li><li>NDIM support</li></ul>
<b>WLAN (Wi-Fi)</b>	<ul style="list-style-type: none"><li>2.4GHz 802.11ax, 2T2R, Europe Ch 1 to 13</li><li>5GHz 802.11ax, 2T2R, Europe Ch 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140</li><li>WPA, WAP2, WAP3 – Enterprise &amp; Personal</li><li>WMM, Dynamic Channel Selection (DCS), Target Wake Time (TWT), BSS Color</li></ul>
<b>Management</b>	<ul style="list-style-type: none"><li>HTTP Web-based</li><li>Single TR-069 entity for G.hn &amp; Wi-Fi functions</li><li>TR-069 over IPv4/v6 dual stack</li></ul>
<b>Networking Protocols</b>	<ul style="list-style-type: none"><li>802.1D Ethernet Bridge</li><li>802.1Q VLAN</li><li>Quality of Service (QoS)</li><li>IGMP(IPv4) Snooping &amp; MLD(IPv6) Snooping</li></ul>
<b>Power</b>	100-240V~50/60Hz 0.425A
<b>Dimensions</b>	80(W) x 120(D) x 195(H) mm
<b>Certifications</b>	CE, ITU-T G.hn Standard

## ENVIRONMENT

<b>Operating Temperature</b>	0 ~ 40 degrees Celsius
<b>Relative Humidity</b>	8 ~ 95% (non-condensing)



### WARNING

Disconnect the PLC from the power source before servicing  
For indoor user only  
Do NOT open the casing  
Do NOT use near water

### CE Standards:

EN 55032 / EN 55035  
EN 50561-1 / EN 50561-3 / EN 50412-2-1  
EN 301 489-1 / EN 301 489-17  
EN 300 328 / EN 301 893 / EN 62311  
EN 62368-1 ( Includes ErP )



# COMTREND

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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.