COMTREND

G.hn Wave2 Powerline AX1800

G.hn **|** 100MHz MIMO **|** 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 WiFi 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

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Interfaces	▪ RJ-45 X 4 for Gigabit Ethernet ▪ USB 3.0 x1 ▪ LED Indicator: system status ▪ Buttons: G.hn pairing, RESET ▪ Internal WiFi DB Antenna X 2 ▪ 3-pin AC socket
G.hn (PLC)	▪ ITU-T G.9960, G.9961, G.9963 compliant ▪ G.hn 100MHz MIMO ▪ AES 128 bits encryption ensures total data security ▪ NDIM support
WLAN (WiFi)	▪ 2.4GHz 802.11ax, 2T2R, Europe Ch 1 to 13 ▪ 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 ▪ WPA, WAP2, WAP3－Enterprise & Personal ▪ WMM, Dynamic Channel Selection (DCS), Target Wake Time (TWT), BSS Color
Management	▪ HTTP Web-based ▪ Single TR-069 entity for G.hn & WiFi functions ▪ TR-069 over IPv4/v6 dual stack
Networking Protocols	▪ 802.1D Ethernet Bridge ▪ 802.1Q VLAN ▪ Quality of Service (QoS) ▪ IGMP(IPv4) Snooping & MLD(IPv6) Snooping
Power	100-240V~50/60Hz 0.8A
Dimensions	80(W) x 120(D) x 195(H) mm
Certifications	CE, ITU-T G.hn Standard
ENVIRONMENT	
Operating Temperature	0 ~ 40 degrees Celsius
Relative Humidity	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

COMTREND

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.