

G.hn Wave2 Powerline DC

G.hn Powerline Adapter

G.hn 1.2Gbps | 100MHz MIMO | 1x GE LAN | 12VDC/30W

PG-9180dc



The **PowerGrid 9180dc**, ITU-T G.hn networking standard compliant Ethernet Adapter provides the best quality data transmission for the truly high-speed 'connected home' experience. It allows users to extend a local area network via existing power lines, eliminating the need for extra wiring. Installation at home (or in a small office) is quick and easy as the PowerGrid 9180dc comes with plug-and-play technology. Additional 12V/30W DC output is provided with CPE power adaptor saving on wall socket usage.

The PowerGrid 9180dc supports the new generation of so-called G.hn wave2 tech, 100MHz MIMO operation and can be used with two fully programmable reception and transmission paths to attain up to 1.2Gbps PHY over powerline. The PowerGrid 9180dc comes pre-configured allowing easy installation / configuration and it features the most secure end-to-end encryption algorithms for safeguarding the network integrity, with advanced energy-saving features based on Ethernet link activity; automatic standby mode.

KEY FEATURES

- **MIMO Performance:** ITU-T G.hn baseband uses 100 MHz MIMO techniques to boost PLC throughput up to 1.2Gbps PHY rate over powerline.
- **High Speed Data Transmission:** High speed (around max 1000 Mbps) dramatically increases the performance of next-generation home entertainment applications.
- **No Extra Wires Needed:** The local area network can be extended without the hassle of having to install extra wiring because the power line network is already a commonplace fixture in most households.
- **Simple Pairing, Plug & Play:** High speed (around max 1000 Mbps) dramatically increases the performance of next-generation home entertainment applications.
- **Extends Connecting Range & Eliminates Dead Spots:** Unlike wireless, Power line technology is capable of actually covering more than 95% of a typical household area.
- **Security:** With advanced data encryption capability, the power line networks are safer and more secure.
- **12V/30W DC output:** Integrating a CPE power adaptor inside for saving a wall socket, and also saving on the external power supply of a home gateway, wireless AP, STB or IP Camera.

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| SPECIFICATIONS | |
|------------------------------|--|
| Interfaces | <ul style="list-style-type: none">1x Gigabit Ethernet LAN1x DC output for 12Vdc output1x AC power jack for AC power cordLED Indicators: G.hn, LAN, PWR, SecurityButtons: G.hn pairing, RESET |
| Ethernet | <ul style="list-style-type: none">Standard IEEE 802.310/100/1000 Mbps BaseT auto-senseAuto rate and duplex negotiationMDI/MDX support |
| G.hn | <ul style="list-style-type: none">ITU-T G.9960 & G.9961 compliantG.hn 100MHz MIMOUp to 1200 Mbps at Phy rateNDIM support |
| Modulations | <ul style="list-style-type: none">OFDM, FEC, Flexible frequency configuration |
| Management | <ul style="list-style-type: none">HTTP Web-based (optional)TR-069 over IPv4/v6 dual stack (Optional) |
| Security | <ul style="list-style-type: none">AES 128 bits encryption ensures total data security |
| Networking Protocols | <ul style="list-style-type: none">802.1D Ethernet Bridge802.1Q VLANQuality of Service (QoS)IGMP(IPv4) Snooping & MLD(IPv6) Snooping |
| AC Power | <ul style="list-style-type: none">100-240 VAC, 50Hz/60Hz |
| DC Power | <ul style="list-style-type: none">12VDC/30W under 30 degrees Celsius12VDC/24W under 40 degrees CelsiusDC plug: 2.5mm ID x 5.5 mm OD |
| Dimensions | <ul style="list-style-type: none">39mm (H) x 72mm (W) x 132 mm (D) |
| Certifications | <ul style="list-style-type: none">FCC, cUL, CE, ITU-T G.hn Standard |
| ENVIRONMENT | |
| Operating Temperature | 0 ~ 40 degrees Celsius |
| Relative Humidity | 0 ~ 95% (non-condensing) |



WARNING

Disconnect the PLC from the power source before servicing
For indoor user only
Do NOT use Indoor Extension Cord
Do NOT open the casing
Do NOT use near water
Do NOT insert sharp objects into the DC Jack

CE Standards

EN 55032 / EN 55035
EN 50561-1 / EN 50561-3 / EN 50412-2-1
EN 62368-1 (Includes ErP)

Part15B-ICES003
Part15.113 / ICES006
UL 62368-1(includes cUL)

COMTREND

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