

PLC

1Gbps G.hn | Filtered Outlet

PG-9051s

Powerline Ethernet Adapter



The PowerGrid 9051s, ITU-T G.hn networking standard compliant Ethernet adapter, provides the best quality data transmission for high-speed networking. 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 9051s comes with plug-and-play technology.

The PowerGrid 9051s supports ITU-T G.hn-MIMO and mitigates noise interferences from other home appliances and attains the highest PHY rates/throughputs and best coverage over other Power Line products. The PowerGrid 9051s comes pre-configured for plug-and-play home networking and it features advanced encryption algorithms for safeguarding the network integrity, thereby creating a safe, secure home network environment that delivers quick and convenient access to information and entertainment.

FEATURES

- **MIMO**
Supports ITU-T G.hn-MIMO (G.9963) and can use all three wires, phase, neutral and ground for the highest PHY rates/throughputs and best coverage over the other Power Line products.
- **High Speed Data Transmission**
High speed (max. **1 Gbps**) dramatically increases the performance of next-generation home entertainment applications such as **multiple** high definition (HD), 3DTV and standard definition (SD) video distribution, TV over IP (IPTV), digital video recorder (DVR) networking and media center PCs.
- **No Extra Wires Needed**
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**
Quick and easy connections with embedded plug-and-play, no extra configuration required! PowerGrid 9051s can be paired easily by simply connecting Ethernet cables to routers and devices.
- **Extends Connecting Range & Eliminates Dead Spots**
Unlike wireless, Power line technology is capable of actually covering more than 95% of a typical household area.
- **More Outlets than Other Wired Solutions**
On average, there are 45 power outlets and only 3-5 cable or phone outlets in a household, therefore making power lines a more convenient solution for extending networks.
- **Security**
With advanced data encryption capability, the power line networks maintain privacy and are more secure.

PowerGrid Series PG-9051s

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SPECIFICATIONS

Interface

- RJ-45 X 1 for Ethernet connection
- AC power plug X 1
- AC power socket X 1

Ethernet

- Standard IEEE 802.3
- 10/100/1000 BaseT auto-sense
- Auto rate and duplex negotiation
- MDI/MDX support

Modulations

- OFDM, FEC; Flexible frequency configuration

Data Rate

- Up to 1Gbps

Management

- Remote Firmware upgrade
- TR-069 Supported (Optional)

Security

- AES 128 bits encryption ensures total data security

Networking Protocols

- 802.1D Ethernet Bridge
- 802.1Q VLAN
- Quality of Service (QoS)
- IGMP(IPv4) Snooping & MLD(IPv6) Snooping

Power

- 110-240 VAC 50Hz/60Hz
- Auto power saving mode max 0.5W (in standby mode)

Environment Condition

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 8 ~ 95% (non-condensing)

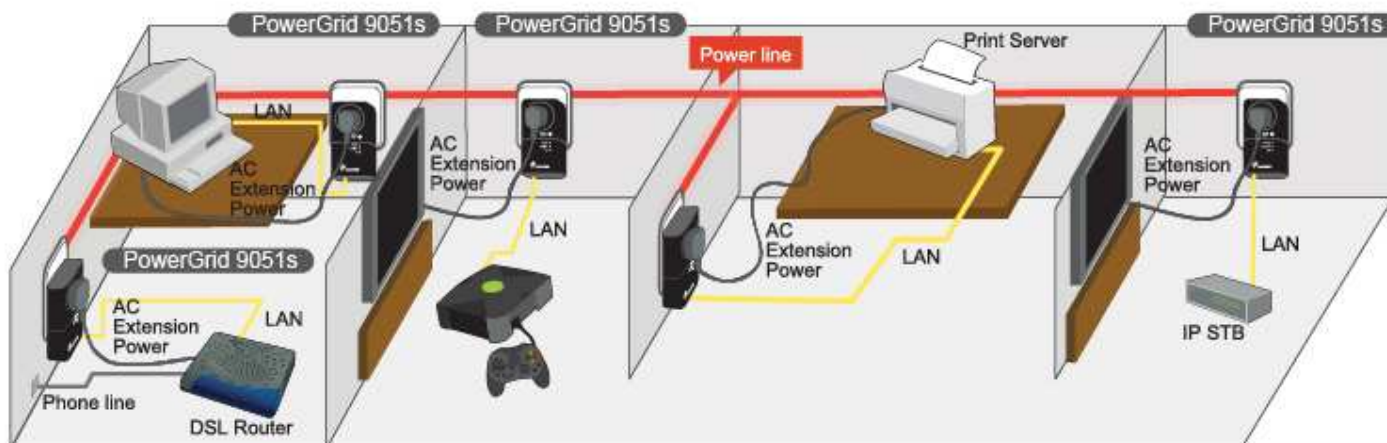
Dimensions

- EU version: 68 mm (W) x 137 mm (H) x 61 mm(81 mm with plug)(D)
- UK version: 68mm(W) X 124mm(H) X 46mm(69mm with plug)(D)

Certifications

- FCC, CE class B, WEEE, RoHS, REACH

Note: Specifications are subject to change without notice



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