

Powerline

200Mbps | HomePlug® AV | ClearPath™ | 802.11n

PG-9142s

Powerline Ethernet Adapter with WiFi N



Up to 200Mbps, Plus
ClearPath™ Technology

The Powergrid 9142s turns electrical wiring outlets into an Ethernet network. Connecting a PC, Set-Top-Box, Multimedia Player, and similar devices to the network router is as simple as Plug and Play. With integrated wireless built into the adapter, your network's wireless coverage is simple and straightforward. Integrated ClearPath™ technology by Sigma Designs is ideal for audio and video home networking. Unlike standard powerline, ClearPath™ enables higher throughput using multiple input multiple output (MIMO) channels with not one, but two pairs of wires within each power outlet.

Advantages

- Switches to the ground-wire pair as needed to reduce noise interference
- Powerline technology is capable of covering more than 95% of a typical household
- There's typically 10x more electrical outlets than cable/phone outlets per home
- Secure communication at the touch of a button
- Features TR-069 remote management
- Power-Saving mode when inactive
- Built-in Quality of Service (QoS)
- IGMP(IPv4) Snooping & MLD(IPv6) Snooping
- Up to 10 nodes per network
- Built-in 802.11n Wireless

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Specifications

Interface

- RJ-45 X 1 for Ethernet connection
- AC power plug X 1
- 802.11n Wireless

Ethernet

- Standard IEEE 802.3u
- One 10/100 BaseT Ethernet Port
- Auto rate and duplex negotiation
- MDI/MDX support

Modulations

- OFDM, FEC; Flexible frequency configuration

Data Rate

- Up to 200Mbps

Management

- HTTP Web-based management; Firmware upgrade via
- TFTP, TR-069 Supported

Security

- AES 128 bits encryption ensures total data security

Note: Specifications are subject to change without notice

Networking Protocols

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

Power

- 100-240 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

- 93mm(H)x 29.6 mm (W) x 59mm(with plug)(D)

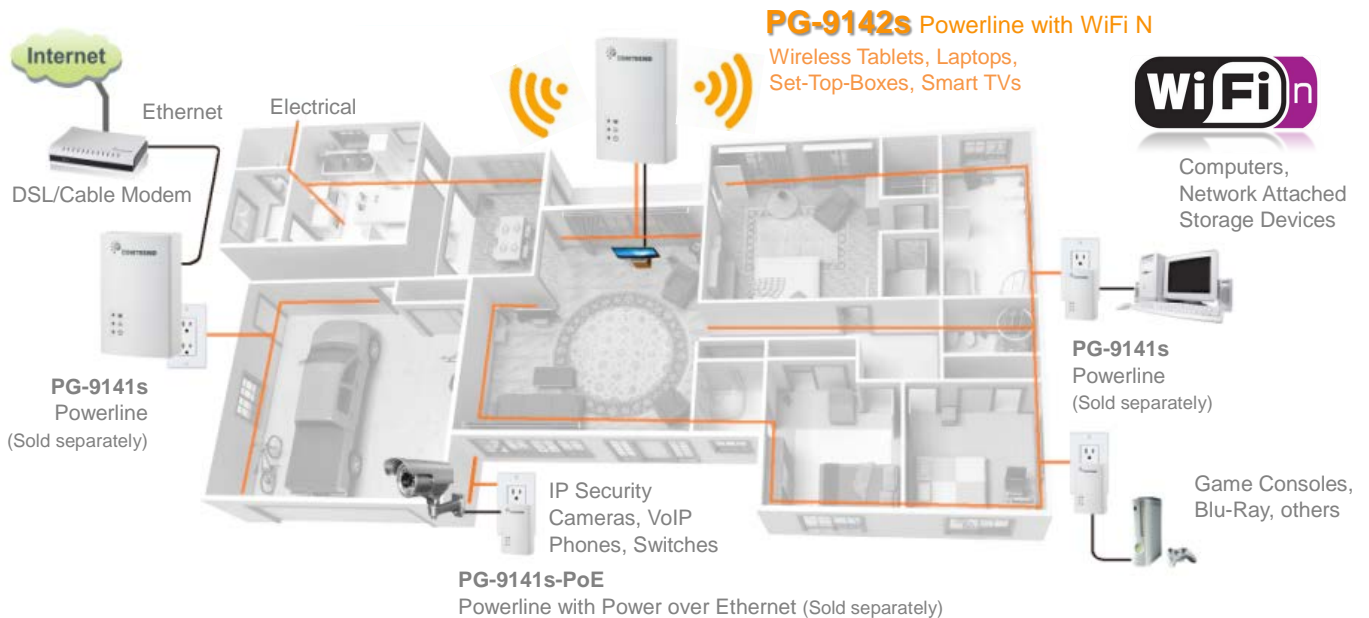
Certifications

- FCC

Wireless

- IEEE802.11b/g/n
- Up to 300Mbps data rate
- 11 Channels for US and Canada
- WEP, WPA, WPA2 Security

Transform power outlets into a home network AND add powerful wireless connectivity.



Intelligent routing and faster speeds with ClearPath[™] Technology.

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