

Camera Installs Made Easy

Innovative Use of G.hn Powerline with PoE

COMTREND

CASE SCENARIO



Saving Time and Money on Camera Installations

Today, the typical camera installation is done by pulling CAT5E/6 Ethernet cable throughout the home or office. Seeking to increase the number of residential camera installs they could do per day, a leading security system integrator looked to Comtrend's innovative G.hn Powerline with Power over Ethernet solution.

CHALLENGE

The camera installations needed to cover various target areas including rooms, basements, attics, yards, and more. The key challenge was providing network IP video without having to pull new wire from head-end gear, which is very time intensive. In addition, the devices needed to be powered without running a separate power cord. The appearance of the installation needed to remain professional. For security purposes, the video traffic also needed to be encrypted.

SOLUTION & BENEFITS

"Our company has changed the way we install security cameras. Using Comtrend's PoE Powerline Adapters has **saved many hours, alleviated difficult wiring situations** with attic time and drywall repair, and **delivered on quality video networking**. The Comtrend PG-9172PoE **simplifies the deployment** of IP security PoE cameras by eliminating the time and expense of installing Ethernet (CAT5e/6) cables to every device throughout the structure."



Royal Security Inc.

Stephanie Clapp | Royal Security Inc.

Using G.hn Powerline technology with embedded Power over Ethernet (PoE), a PoE-enabled IP Camera could be connected using one cable anywhere that an outlet is available. One G.hn Powerline Adapter (PG-9172) was plugged into an outlet and connected with an Ethernet cable to a Network Device. An additional G.hn Powerline Adapter with PoE (PG-9172PoE) was then plugged into an outlet closest to where the camera needed to be installed. Lastly an Ethernet cable was used to connect the IP Camera.

OVERVIEW

One of the leading security system integrators that provide personalized home & business services and extensive product offerings for both homeowners and businesses.

REQUIREMENTS

This leading security system integrator needed to provide power and network IP to cameras without having to pull new wire and power cord throughout the site. The appearance needed to remain clean and professional.

SOLUTION

G.hn Powerline with PoE

Minimal infrastructure was needed, consisting of a single adapter to the router and another to each camera.

- PG-9172 (1 to Router)
G.hn Powerline Adapter
- PG-9172PoE (1 to a Camera)
G.hn Powerline Adapter with PoE



SOLUTION (Continued)

With a single cable now providing both IP network and power, this leading security system integrator could:

- Deliver power and networking to cameras quickly and easily.
- Drop Ethernet cable in-wall from the camera to the outlet to maintain a professional appearance with minimal impact on time, resources, and aesthetic repair.
- Use existing power outlets to power and securely connect their PoE-enabled IP Cameras, relieving the need to tunnel through walls, attics, and crawlspaces just to drop Ethernet cable.
- Reduce the need to install high voltage outlets thus simplifying the installation.

UNITS DEPLOYED



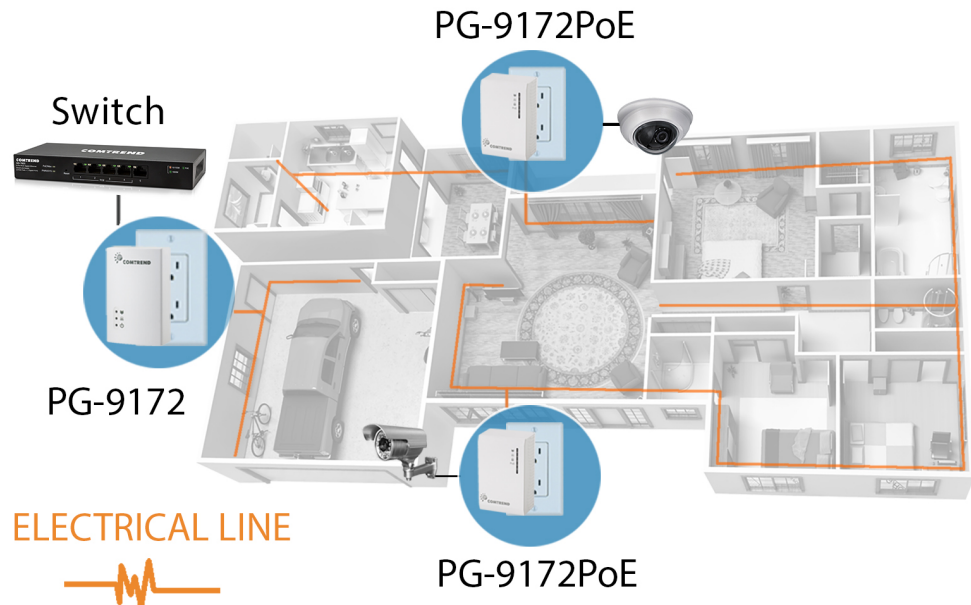
PG-9172
1200Mbps
G.hn Powerline
Adapter
Used as backhaul



PG-9172PoE
100Mbps
G.hn Powerline
Adapter with PoE
*Used for the
connection to the
Camera*



Ethernet Cable
(Behind the Wall)



CONCLUSION

System Integrators can now increase the number of installs per day through the use of PoE Powerline. G.hn PoE Powerline eliminates the need to install high voltage outlets and 'cable' a house, thus significantly reducing CapEx and OpEx. Through the use of Comtrend's G.hn Powerline Adapters SI's can deliver quality video networking at a fraction of the time and cost.