

SAVE TIME AND COSTS USING G.HN POWERLINE TO DEPLOY VIDEO

Upscale community receives Whole-Home DVR offering using the existing power lines.









AT-A-GLANCE



Summit Broadband is a leading fiber-optics telecommunications provider in Central and Southwest Florida. The company provides voice, video, data and high-speed internet services to commercial and residential customers, as well as Ethernet and dark fiber transport to enterprise and carrier customers.

CHALLENGE

Summit Broadband was looking to upgrade an existing community to whole-home DVR powered by TiVO. They needed a faster deployment method than installing Ethernet Cable, and a more reliable connection than older Powerline technologies.

SOLUTION

Comtrend's PG-9172PT G.hn Powerline Adapter

Powerline technology utilizes the existing electrical wiring to bring Ethernet connectivity to hard-to-reach locations, thus reducing the need to install Ethernet cabling. G.hn is the latest standard in Powerline, and boasts the latest technologies to deliver higher speeds with greater stability.

CASE STUDY



BACKGROUND

Summit Broadband was looking to upgrade an existing community to whole-home DVR, and needed a better way to deploy the solution. They were seeking an alternative option to retrofitting the community and running Ethernet cable throughout the home, which is both time-intensive and costly. Powerline technology was of interest, because it provided a hard-wired connection wherever an outlet was located, but previous Powerline technologies had not shown promising results.

Requirements:

- Summit Broadband wanted to use a hard-wired connection for the DVR in order to provide the highest quality experience for the user.
- The solution needed to be faster than installing Ethernet Cable, and more reliable than older Powerline technologies.

SOLUTION

Product:

Comtrend matched Summit Broadband's unique set of needs with their premium PG-9172PT G.hn Powerline Adapter.

The PG-9172PT utilizes the existing power lines to bring an Ethernet connection anywhere there is an outlet. This was ideal for the DVR connection, because it would already need to be near an outlet to be powered.

Unlike older Powerline of the past, G.hn Powerline utilizes the latest technologies and standards like NDIM noise mitigation and LDPC/FEC error correction for higher speeds and greater stability.

"Comtrend's G.hn Powerline offer excellent reliability and throughput. We tried other competing products, and they just didn't compare. Once we received the units, Comtrend went above and beyond to support us in ensuring our customers had the best experience."

FLO BULANHAGUI
SUMMIT BROADBAND
SENIOR VICE PRESIDENT,
ENGINEERING

CASE STUDY

SOLUTION

Continuous Enhancements: Remotely Keeping Customers Connected

Summit Broadband has deployed Comtrend's G.hn Powerline solution in over 1,500 homes, and since then Comtrend has provided continued enhancements post-install. Comtrend collaborated with Summit Broadband's engineering to create a custom code that increased uptime and reduced support calls. Based on the collaboration and discussions, improvements were made that aided in keeping customers connected and happy as well as reducing support calls.



Further, Comtrend worked with Summit Broadband to provide access to their free ACS Central service for help with remotely upgrading units in the future, should it be necessary. Comtrend also developed a Statistics Page within the User Interface for Summit Broadband to gain further insight into connectivity specifics such as packet errors, link rates, and uptime. This allowed for proactive and remote problem solving.

PRODUCT OVERVIEW



PG-9172PT

- G.hn Speeds | Up to 1200Mbps
- Gigabit Ethernet Port
- AES 128 Bits Encryption
- Pass Through Outlet
- TR-069 Support

EVERY OUTLET BECOMES AN ETHERNET CONNECTION



LIVING ROOM

BEDROOM

CASE STUDY

BENEFITS & FEATURES









G.HN OUT-PERFORMS THE COMPETITION

Advantages	Comtrend's G.hn	HomePlug AV2 MIMO	HomePlug AV/AV2 SISO
Reliably Crosses Electrical Phases MIMO Dual Phase Technology & LDPC	\bigcirc	×	×
Better Real World Performance Unique G.hn Algorithms	\bigcirc	×	×
Optimizes Video Streaming LDPC/FEC Error Correction Technology	\bigcirc	×	×
Performs Well in MDU's (i.e. Apartments, Condos etc.) NDIM Signal Segregation Technology	\bigcirc	×	×
Higher Speeds and Greater Stability MIMO Dual Phase Technology	\bigcirc	\bigcirc	×

RESULTS

Summit Broadband now has an efficient and reliable solution to provide connectivity for their whole-home DVR offering. Since Comtrend's G.hn Powerline uses the existing electrical lines, they saved both time and money eliminating the need to install new wiring. Additionally, now that an ACS is setup, the G.hn Powerline Adapters will be remotely upgradeable, should it ever be necessary.

