Cambium Networks and TRIAX EoC

All the values of gigabit IP network – none of the costs of new cables

Connect to the future: run an enterprise-grade 1 Gbps IP network over existing coax cable infrastructure. Use the TV cables already installed to run network services you and your customers can rely on. Installation costs are significantly reduced, since there's no need to install expensive additional cabling. The installation is quick and discreet, and you won't even have to take rooms out of service.

Mixed cable technologies – one Wi-Fi network

By combining the TRIAX EoC system with Cambium Networks Wi-Fi solutions, you can create one IP network on mixed cable technologies. Combine coax and CAT cables and create one uniform Wi-Fi network for a seamless user experience.
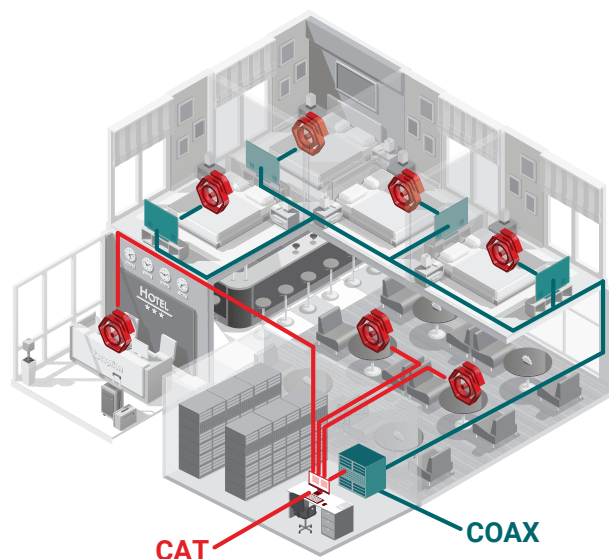
Run a safe, secure Wi-Fi network, enable IPTV, casting or gaming services, manage surveillance cameras: the possibilities are endless.

By working with TRIAX you benefit from 70 years of coax experience, a company with in-house product development in Denmark and a network of partners and installers supporting you all the way.

KEY FEATURES OF OUR SOLUTION

- All the values of gigabit IP network, none of the cost of new cables.

- Gigabit network delivered over coax cables.

- Environmentally friendly.

- Low cost installation.

- No new cables means no drilling, no disturbances, no recertification and no rooms out of service.

- 70 years of experience with coax networks.

- Strong and user-friendly solution based on G.hn wave 2 technology.

- Validated with Cambium Networks e600 Wi-Fi access point.

This partnership provides customers with reliable high-speed guest Wi-Fi by unleashing the power of the existing coax cables. TRIAX EoC delivers fast, reliable networking over coax while maintaining DVB TV signals. It can deliver IP signals over 400 meters of coax cable, which can be used for supplying IPTV or gigabit network for Cambium Networks Wi-Fi access points.

CAT

COAX

WHAT DOES IT DO

The solution is a combination of Cambium Networks Wi-Fi access points and TRIAX Ethernet over Coax.

Based on best-in-class G.hn Wave 2 technology, TRIAX EoC makes it possible to utilise the coax network for gigabit data distribution without compromising the DVB signals for the TVs.

The TRIAX EoC Controller sends data and TV signals around a hotel, elderly home or any other building with a coax network, and the TRIAX EoC MediaConverter separates the IP services and DVB TV signals at the coax outlet. The gigabit speed can be delivered over coax cables up to 400 meters in length.

This way, a gigabit IP network is created without any of the usual costs and disruption of new cables.

The gigabit network can be used as an IP connection for the TV or as a data connection for the Cambium Networks Wi-Fi access point.
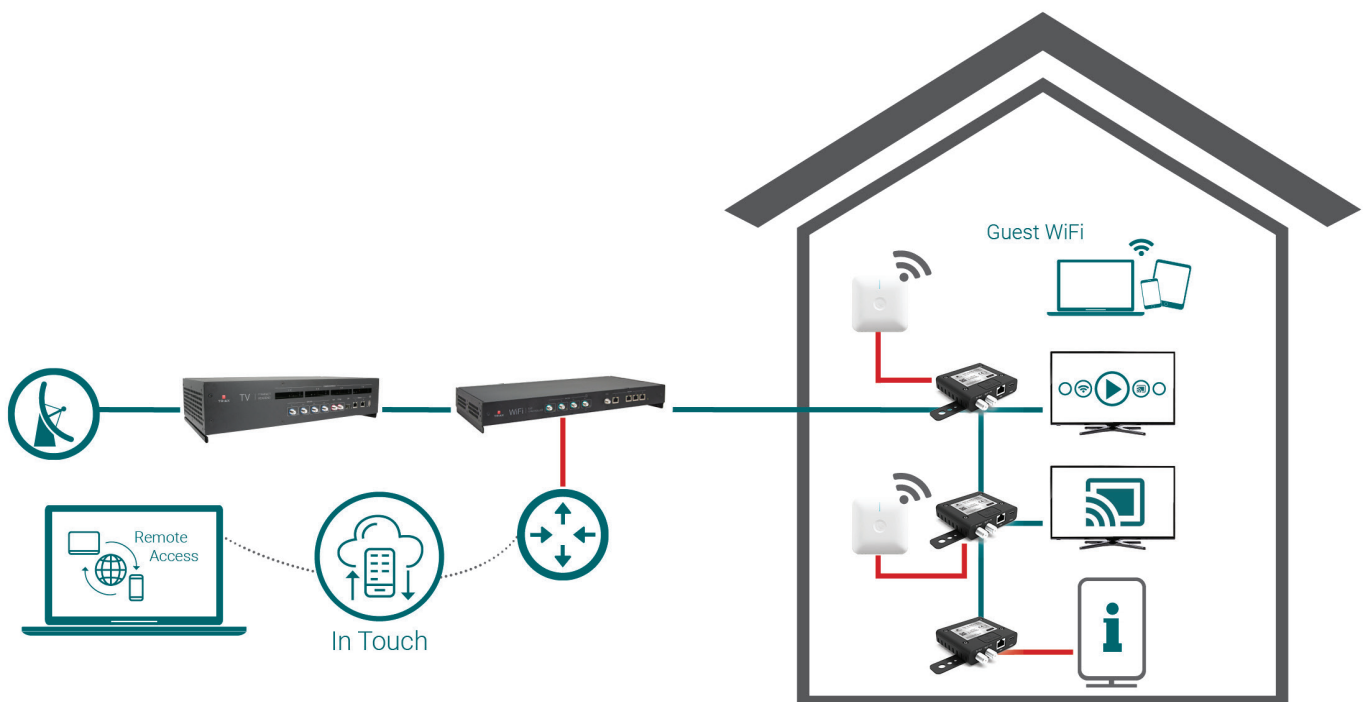
As illustrated on the previous page, you will also be able to combine a coax and CAT network in one Wi-Fi system to ensure a seamless user experience.

APPLICATIONS

The Cambium Networks and TRIAX solution is ideal for the hospitality sector, and multi-dwelling units such as elderly homes, student and military housing and beyond.
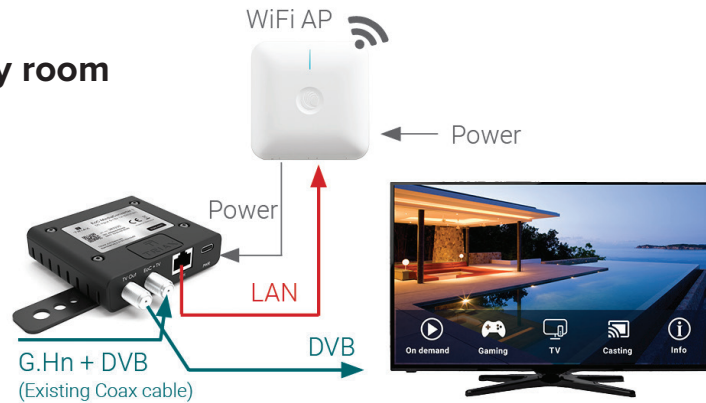
Globally, coax infrastructure is still dominant in many buildings, and re-using these cables when creating an IP infrastructure results in several benefits:

- It is an environmental friendly solution which may fit a customer's wish to position themselves as an environmentally conscious company.

- It is a cost- and time-saving choice as installing new cables is an expensive and time-consuming project.

- Re-cabling often requires very strict re-certification or documentation of upholding fire-proof standards, which will not be needed when using the existing coax network.

- Gigabit IP can be distributed over coax cables up to 400m in length.

Cambium Networks™

BENEFITS OF TRIAX EoC AND CAMBIUM NETWORKS WI-FI ACCESS POINTS

Fast network connection to every room
None of the costs of new cables

WiFi AP

Power

Power

LAN

DVB

G.Hn + DVB
(Existing Coax cable)

LOW COSTS

- Uses your existing coax cables: no need for expensive re-cabling projects.
- Reduces need for costly traditional TV subscriptions.

GOODBYE, BUFFERING

- Gigabit network delivered over coax cables: the fastest, most reliable in its class.
- Ready to stream demanding content: 4K UHD, HDR & 60FPS.

ENVIRONMENTALLY FRIENDLY

- We're re-using the cables you already have.
- Comparable devices to the TRIAX EoC MediaConverter use up to 100% more power.

NO DISRUPTION

- No drilling, no new cabling, no rooms out of service. Installs in minutes in each room.

FUTURE READY

- Enough bandwidth to handle future upgrades to your internet connection speed.

ADDED VALUE

- Enables a limitless range of in-room connected devices, such as Wi-Fi access points.

SUMMARY

TRIAX EoC offers a reliable high-speed infrastructure for Cambium Networks Wi-Fi access points. Based on the best-in-class G.hn Wave 2 technology it makes all the benefits of IP network services possible, for a fraction of the price and none of the installation disruption.

To learn more about TRIAX EoC and Cambium Networks Wi-Fi, please visit:

www.cambiumnetworks.com/wifi/