TRIAX

connecting the future

Ethernet over Coax + WiFi

Your questions answered

Why do I need better WiFi?

In the hospitality industry, reliable WiFi is viewed as the most important and most requested hotel room amenity.

If the WiFi offering is poor or unreliable, it can lead to negative online customer reviews, which hotel proprietors naturally wish to avoid at all costs.

TRIAX Ethernet over Coax + WiFi provides reliable WiFi coverage in each room, avoiding connection problems and blackspots.

Will I need new internet cables?

No, the entire system runs over the coaxial cable network – the cables that carry TV signals around the building.

Why should I use coaxial cables?

Because it is uses the infrastructure you already have. Especially in older buildings, coaxial cables are the only cables running around the whole building.

Using them to carry network signals not only avoids the costs of installing entirely new data cables, it also prevents disruption to guests or loss of revenue, as no rooms need to be out of use during installation.

How long does it take to install?

Once the project is up and running, it takes around 15 minutes to install a TRIAX WiFi End Point in each room.

Mounting is simple, and the setup can be managed quickly on any smartphone.

Are there service fees?

No, there are no service fees. Just install, and you're done.

Why have a WiFi access point in each room – isn't that more expensive?

Having a WiFi access point in every room (or every other room) ensures guests receive a reliable signal wherever they are.

Traditional setups, where an access point covers part of a corridor or many rooms, can result in weaker in-room signals, blackspots and ultimately dissatisfied guests or customers.

The TRIAX approach remains the more cost-effective option, when compared to installing new cabling in a building.

What technology is used?

The network uses G.hn wave 2 technology. This means:

- High bandwidth (up to 1600 mbps per cable)
- Low latency (~1ms) – great for video-conferencing or gaming with minimal delay
- No need to retune TVs
- Stable & secure connection with layer 2 error correction

The WiFi uses the latest 802.11ac Wave 2 standard.

triax.com/wifi