Ethernet over Coax
Fast, reliable **IP** networks

IP & Wi-Fi
No new cables

- Create an enterprise grade Gigabit IP network over existing coax cable infrastructure

- Reliable and secure IP and Wi-Fi network access around a hotel or deliver fibre speeds to residents in MDUs

- The perfect choice for listed buildings

- Low costs: no need for new cabling

- No disruption: quick, discreet installation

triax.com

TRIAX EoC

Fast network connection
None of the costs of new cables

Future Ready
High Quality Network

- High bandwidth, low latency and the most reliable IP over coax performance.
- Perfect for a wide range of networking possibilities.

Goodbye
Buffering

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

No
Disruption

- No drilling, no dust, no mess, no new cabling, install in minutes.
- Take the work out of Networking.
- Ideal for listed buildings.

Home From
Home Streaming

- Serve guests their own streaming services directly onto hotel TVs.
- Fastest network in its class, for reliable OTT streaming and low-latency gaming.

Low Cost
Environmentally Friendly

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

Adding Value
On Demand

- Open up a huge range of connected services that add value for hotel guests (for example, Video on Demand, guest Wi-Fi or in-house promotional channels).

The TRIAX EoC family
Unleash the power of your existing cables

Our full suite of EoC products deliver fast, reliable networking over coax, with no drilling, no new cabling, and no rooms out of service.

EoC Controller

The EoC backbone sends Data & TV signals throughout the building.

EoC Media Converter

Separates IP network services and DVB TV signals; competitively priced.

EoC Wi-Fi Endpoint

Fast, reliable guest Wi-Fi to every corner of a hotel, and in-room DVB TV signals.

Ethernet Wi-Fi Endpoint

Connectivity throughout a hotel including locations with no coax cables (eg, reception, restaurant).

TRIAX EoC uses the coax cables already installed to provide IP network access around a hotel or deliver fibre speeds to residents in MDUs. That's a fast, reliable gigabit IP network ready for all the IP services a hotel or ISP wishes to offer – without the cost and disruption of new cables.

The TRIAX EoC MediaConverter fits snugly onto the back of each TV, providing IP network access while maintaining the standard DVB TV signals. Installed quickly and efficiently, TRIAX EoC opens up a huge new range of viewing possibilities that satisfies the streaming demands of today and the future.

Connected Clients are Contented Clients

Our best-in-class G.hn Wave 2 technology makes all the benefits of IPTV services and Gigabit connectivity possible for a fraction of the price of running in new CAT or Fibre cables with none of the installation disruption, inconvenience or mess for your clients.

Bridge the Gigabit gap to achieve fibre speeds from the pavement to the resident in MDUs or listed buildings, or replace the poor reach of corridor Wi-Fi in hotels with full in room coverage.
All the benefits of Gigabit connectivity without the hassle; that's TRIAX EoC.

Quick, secure, discreet

- Installed in a matter of minutes.
- Tucks in neatly behind the TV out of sight, no mass of cabling.
- Tamper-proof, secure fixing.

TV out

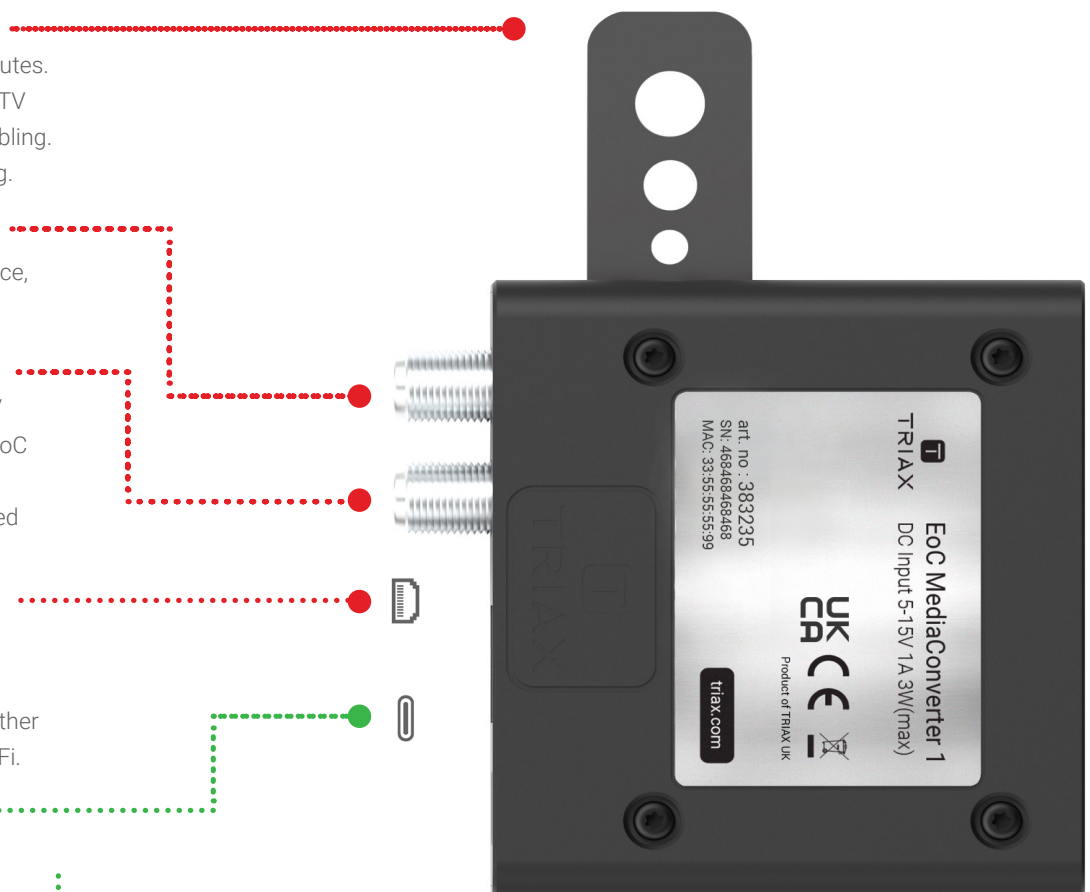- The standard DVB TV service, delivered as normal.

EoC + TV in

- The combined data and TV signals, straight from the EoC controller via the existing coax cables already installed in the building.

Ethernet out

- A fast, reliable 1 Gbps IP network connection.
- Use for IPTV, OTT or any other connected service, like Wi-Fi.

Power-saving flexibility

- Can be powered directly from the TVs USB
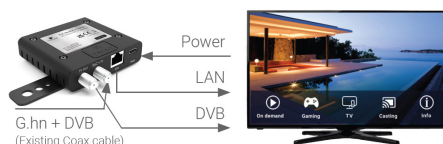- Comparable devices use up to 100% more power.

Product shown actual size

Images are for illustration purposes only

Type:	Controller for 32 / 64 Endpoints	EoC MediaConverter Endpoint	EoC Coax WiFi Endpoint	EoC Ethernet WiFi Endpoint
Art. No.	383104 / 383105	383235	383200	383230
Standards	G.hn wave 2, 1 GbE IEEE 802.3 Support ITU-T G.9960, ITU-T G.9963 (G.hn PHY), ITU-T G.9961 and G.9962 (MAC and DLL) specifications			1 GbE IEEE 802.3 Support PoE-in 802.3 af/at, PoE-out 802.3 af
Management & Monitoring	Web GUI, REST API, SNMPv2 and SNMPv3, SSH, RADIUS authentication for management access	n/a		
System throughput	Up to 1.6 Gbps			
G.hn frequency	2-200 MHz (option to omit sub-bands using built-in configurable notch filters)			n/a
TRAFFIC MANAGEMENT				
VLAN	Tag-based 802.1Q, access/trunk/hybrid			
Client isolation (guestmode)	Configurable per SSID/VLAN or option for full endpoint (resident) isolation			
Multicast	IGMPv1 and IGMPv2			
Quality of Service (QoS)	VLAN CoS and IP DSCP (ToS)			
NETWORKING INTERFACE				
Ethernet port	4 x 10/100/1000 Mbps (3 for switching,1 for management)	1x 10/100/1000 Mbps		2x 10/100/1000 Mbps
G.hn port	2 or 4 x 1.6 Gbps (option to combine allowing up to 64 end points on same coax cable)	1 x 1.6 Gbps		n/a
CONNECTORS				
Type - TV	1 F-connector TV-in	1 F-connector TV-out		n/a
Type - G.hn	2 or 4 F-connector	1x F-connector		n/a
Type - Ethernet	4x RJ45	1x RJ45		2 x RJ45 (PoE In/Out)
WI-FI DETAILS				
Antennas	n/a		2.4 GHz and 5 GHz, Dual Band Internal	
2.4 GHz	n/a		802.11 g/n, 2x2 MIMO, 20/40 MHz channel width, 300 Mbps	
5 GHz	n/a		802.11 n/ac, 2x2 MU-MIMO, 20/40/80 MHz channel width, 867 Mbps	
Wireless security	n/a		WPA/WPA2 personal and enterprise AES, TKIP, EAP	

Application examples
IPTV services and DVB to the room

Power
LAN
DVB

G.hn + DVB
(Existing Coax cable)

Network Operator Service and DVB to the resident

ISP Router

Power
WAN
DVB

G.hn + DVB
(Existing Coax cable)