



TRIAX

connecting the future



TRIAX[®] InHouse connectivity

Ethernet over Coax, UHD Video,
Audio and Control Solutions.



triax.com

TRIAX[®] Excellent Wi-Fi coverage

Using existing coax installations



TRIAX Ethernet over Coax solution

is the straightforward way of using existing coax networks to transport data signals and distribute over a reliable Wi-Fi connection.

No changes to the coax installation are required, while TV signals are not affected.

A controller is set up centrally or at points throughout the coax installation. End points can be set up in each room or each second room to maximise Wi-Fi coverage.

Hotelier benefits

- Better Wi-Fi coverage
- Save costs by reusing existing cables
- Easy installation means no room downtime
- Less maintenance

Installer benefits

- Competitive pricing for total installation
- Flexible and reliable network
- Easy installation
- Cloud configuration and monitoring



**Ethernet Controller 32
EoC EP, Wi-Fi, Pro**

Art. No. 383101

EAN Number
5702663831018



**End-Point EoC/Wi-Fi
AC1300, Pro**

Art. No. 383200

EAN Number
5702663832008



**Ethernet Controller 64
EoC EP, Wi-Fi, Pro**

Art. No. 383103

EAN Number
5702663831032



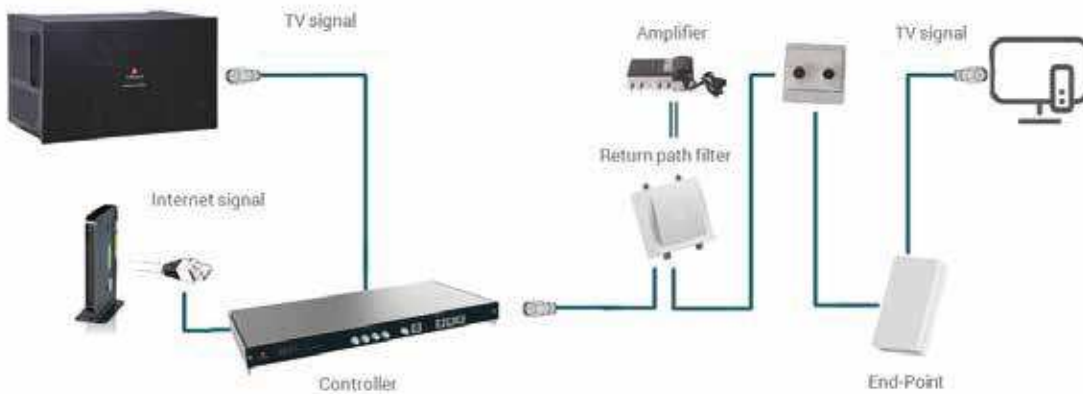
**5-200 MHz
return path filter**

Art. No. 383900

EAN Number
5702663839007

TRIAX® Ethernet over Coax

Superfast, reliable broadband around the hotel .



Type:	Controller for 32/64 Ethernet over Coax End-Points and Wi-Fi, Pro
Art. No.	383101/383103
Standards	G.hn wave 2 controller support ITU-T G.9960, ITU-T G.9963 (G.hn PHY), ITU-T G.9961 and G.9962 (MAC and DLL) specifications.
Bandwidth	Up to 1,600 Mbit/s (shared with other end-points on the same coax cable)
Internet/IP operating frequency	1-200 Mhz.
TRAFFIC MANAGEMENT	
VLAN	802.1Q
Fairness	Possible
Client isolation	Possible
NETWORKING INTERFACE	
Ethernet port	4x 10/100/1000 (3 for switching, 1 for stacking)
G.hn out	2 or 4x 1,600 Mbit/s (supports up to 16 end-points per connector)
CONNECTORS	
Connector Type - TV-in	1 F-connector
Connector Type - G.hn out	2 or 4 F-connector
REMARKS	
Wi-Fi controller	
Supports VLAN tagging up to 4,096 VLAN ID's	
Co-existence with FM band or other devices operating in the 0-200 Mhz range.	

Type:	End-Point with Wi-Fi and Ethernet over Coax, AC, Pro
Art. No.	383200
Standards	G.hn wave 2 end-point Support ITU-T G.9960 and ITU-T G.9963 (G.hn PHY), ITU-T G.9961 and G.9962 (MAC and DLL) specifications.
Bandwidth	Up to 1,600 Mbit/s (shared with other end-points on the same coax cable)
Internet/IP operating frequency	1-200 Mhz.
WiFi types	WiFi 802.11ac wave 2 (802.11b/g/n 2.4GHz, 802.11a/n/ac 5GHz)
Antennas:	Single-Band Antennas, 2.4 GHz and 5 GHz, Dual-Polarity
Wireless security	WPA, WPA-2 with AES and TKIP, EAP authentication
Date rates 802.11ac	867 Mbit/s
Date rates 802.11n	300 Mbit/s
Managed access point	
TRAFFIC MANAGEMENT	
VLAN	802.1Q
Fairness	Possible
Client isolation	Possible
NETWORKING INTERFACE	
Ethernet port	1x 10/100/1000
CONNECTORS	
Connector Type - G.hn out	1x 1,600 Mbit/s F-con.
Connector Type - TV-out	1x F-connector

TRIAx[®] Internet over TV cables

The smart choice for home entertainment networks



Using the latest MoCA[®] 2.0 (Multimedia over Coax Alliance) technology.

As the demand for home entertainment grows ever higher, customers have an insatiable appetite for faster and more reliable internet around the house.

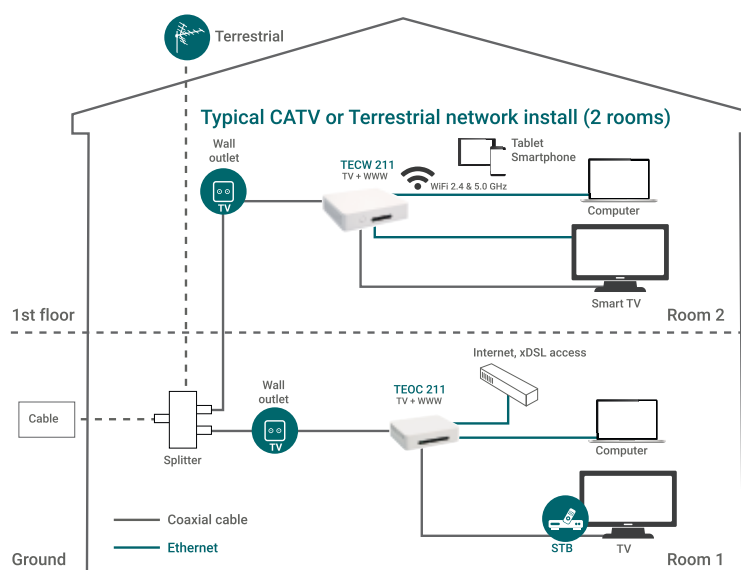
Whether they're streaming a 4K movie in the living room, catching up with the latest episode on a phone, online gaming in the bedroom – or all of these at once – they want data to be delivered to every corner of the house with minimal interference.

What they may not be aware of is the extent to which their traditional Wi-Fi setup can cause data bottlenecks within

the household, as single routers struggle to cope with the demands of multiple devices.

With our new range of MoCA[®] 2.0 Ethernet over Coax adapters, you can use existing home coaxial networks to deliver a fast, reliable data signal from every TV access point in the household.

Far more reliable than a single Wi-Fi access point or internet over power cables, it's the most effective way to deliver a home network solution that keeps you and your customers happy.

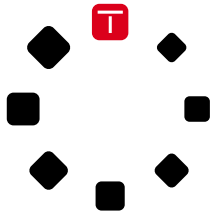


MoCA[®] 2.0 compliant

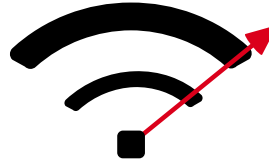
Compatible with TV coax cable carrying terrestrial signals only (DTT or CATV). Cannot be used with satellite TV systems or any connection where Satellite and Terrestrial TV are combined on the same cable. Broadband speed and performance around the home is dependent on incoming speeds from the broadband provider at a particular location.

TRIAX[®] Ethernet over Coax adapters

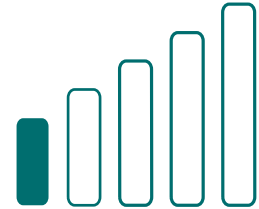
Superfast, reliable broadband around the home.



Improve your existing network.



Make your home network faster and better.



Fix your wireless dead zones

Benefits for you:

- **No new cables required**
Create a high-speed data network using existing TV coax cabling.
- **Stay connected**
Wired connections are now possible around the entire home from up to 16 access points, ensuring maximum speed and reliability for each connected device. Dedicated wireless access points in each room are also now possible with our wireless model.
- **Immune from interference**
Coaxial cables are shielded and therefore unaffected by other devices around the home, unlike an internet over power cable solution.
- **Simple to install with Plug and Play technology**
Simply connect a device to our adapter with an Ethernet cable wherever a broadband connection is required. On our Wi-Fi model, Wi-Fi settings are a breeze thanks to our bespoke Triax configuration tool.
- **Create additional revenue streams**
Quickly and easily improve the home entertainment and networking experience for your customers, who are sure to value reliable and high speed data and video streaming throughout the house.

Benefits for your customer:

- **Maximise your devices' potential**
Many manufacturers of home entertainment products recommend wired internet connections for optimal speed and connectivity – our adapters provide this in all rooms of the house with a TV outlet.
- **Reduce buffering**
Faster downloads, streaming and content sharing to other devices on the home network (minimum 400 Mbps, up to 600Mbps)
- **Improve Wi-Fi coverage**
Eliminate dead spots where wired connectivity isn't possible or existing routers fail to reach. Our dual band Wi-Fi adapter supports 802.11 a/b/g/n/ac
- **Smoother online gaming**
Fast and stable connection with lower latency creates a more immersive experience for gamers, with smoother gameplay and faster response times.



TRIAX® TEOC 211 & TECW 211

The smart choice for home entertainment networks



Features and benefits

The TEOC 211 and TECW 211 are a multi-purpose Ethernet over coaxial cable bridge device. It can be used in a number of different ways to deliver Gigabit Ethernet connection via an existing coaxial (TV aerial or cable TV) connection.

The TECW 211 also offers Wi-Fi dual band 2.4 and 5GHz in order to improve your local WLAN Wi-Fi coverage in your home installation.

It can be used as either a sender or receiver but it will need to be used with at least one other TRIAX Ethernet over Coax compatible device.

Both devices delivering superfast, reliable broadband around the home using existing TV connections. Using the latest MoCA® 2.0 (Multimedia over Coax Alliance) technology, to satisfy the most data-hungry households.

TEOC 211 Multiband
Ethernet/Coax

Art. No. 310401

EAN Number 5702663104013



TECW 211 Multiband
Ethernet/Coax/Wi-Fi

Art. No. 310411

EAN Number 5702663104112



TEOC 110 Ethernet Over
Coax

Art. No. 310400

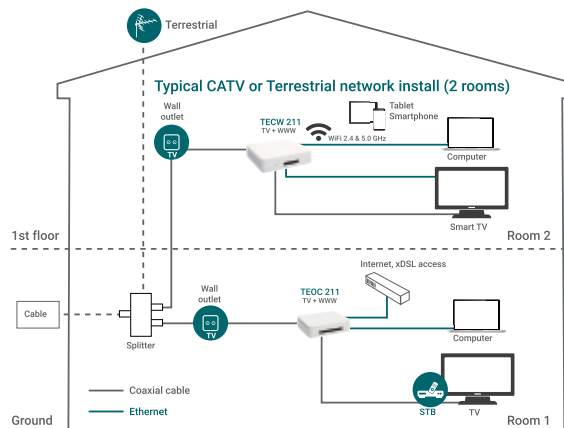
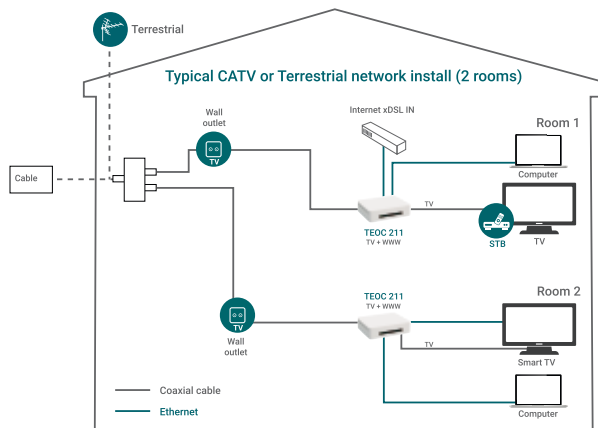
EAN Number
5702663104006



TRIAX[®] Ethernet over Coax adapters

Superfast, reliable broadband around the home.

TEOC 211 + TECW example



Type:	TEOC 211 Multiband Ethernet/coax	TECW 211 Multiband Ethernet/Coax/wifi	TEOC 110 Ethernet Over Coax
Art. No.	310401	310411	310400
FREQUENCY			
Frequency range	MoCA range : 1.15...1.6GHz		
Frequency range	DVB-T/C range : 5...1002MHz		
High pass	1125...1675MHz	1125...1525MHz	1125-1525MHz
Low pass	5...1002MHz	5...1002MHz	5-1002MHz
Network Center	1150...1600MHz	1150...1600MHz	1150-1500MHz
LOSS			
High pass - Insertion loss	< 5dB	< 5dB	Max. 3dB
Low pass - Insertion loss	< 5dB	< 5dB	Max. 2dB
RETURN LOSS			
High pass - Return loss	Min. 8dB	Min. 8dB	Min. 10dB
Low pass - Return loss	Min. 8dB	Min. 8dB	Min. 10dB
ELECTRICAL			
Impedance	75Ω	75Ω	75Ω
OPERATIONAL			
Certification	EMC/LVD, WEEE	EMC/LVD, WEEE	EMC/LVD, WEEE
DC Operating voltage	5VDC	12VDC	5VDC
External PSU	Included	Included	Included
Standard	MoCA [®] 2.0, 1.1 and 1.0 compliant	MoCA [®] 2.0, 1.1 and 1.0 compliant	Entropic, EN2510, MoCA [®] 1.1 compliant
AC Supply voltage	100...240 /50...60HzVAC	100...240 /50...60HzVAC	100...240 /50...60HzVAC
Power Consumption (typ.)	3.5W	13.2W	<4W
DC Current consumption (TYP)			2.0A
CONNECTORS			
Connector Type	F-female (IEC 60 169-24)	F-female (IEC 60 169-24)	F-female (IEC 60 169-24)
MECHANICAL			
Colour	White	White	White
Product Depth	30mm	35mm	28 mm
Product Height	101mm	142mm	80 mm
Product Width	122mm	155mm	125mm
Main Material	Plastic	Plastic	Plastic
Packing QTY	1	1	1
Weight (kg)	0.2kg	0.3kg	0.2kg
Remarks	2 Ethernet ports 10/100/1000 Mbps LED ON/OFF switch. 16 devices max. on the same network		

TRIAX® Sat>IP Server

Satellite TV for Smartphones, Tablets and other Devices



Features and benefits

The SAT>IP products from Triax make it possible to distribute satellite TV over cable connected (LAN, Power LAN) or cableless networks (WLAN). SAT>IP-compatible units such as TV sets, receivers, PCs, smartphones, tablets and other mobile units can be provided with all available free TV and radio programmes. Thanks to the web-based configurator the products are easily set up and controlled.

Benefits

- SAT-distribution via cable connected and cableless networks
- Digital picture and audio quality – even in high-resolution HD-format
- Converts SAT into IPTV signals
- All digital additional options such as EPG, recording function and time shift can be used in the unit*
- Live uncompressed SAT TV

Easy set-up

- Supports different types of LNB
- Easy installation and control with the web-based configurator
- Can be used with compatible SAT>IP units
- Software update Online (via FTP) or via Web-configurator
- Compatible with 100/1.000-Megabit networks

SAT>IP compatible devices

- Up to 4 units can access different TV programs at the same time
- Compatible with all SAT > IP compatible units such as: SAT>IP receiver, Tablets and smartphones, PCs and laptops, Video game consoles

* - need the righ App. to provided the unit supports the function

TSS 400 SAT>IP Converter

Art. No. 310101

EAN Number 5702663101012



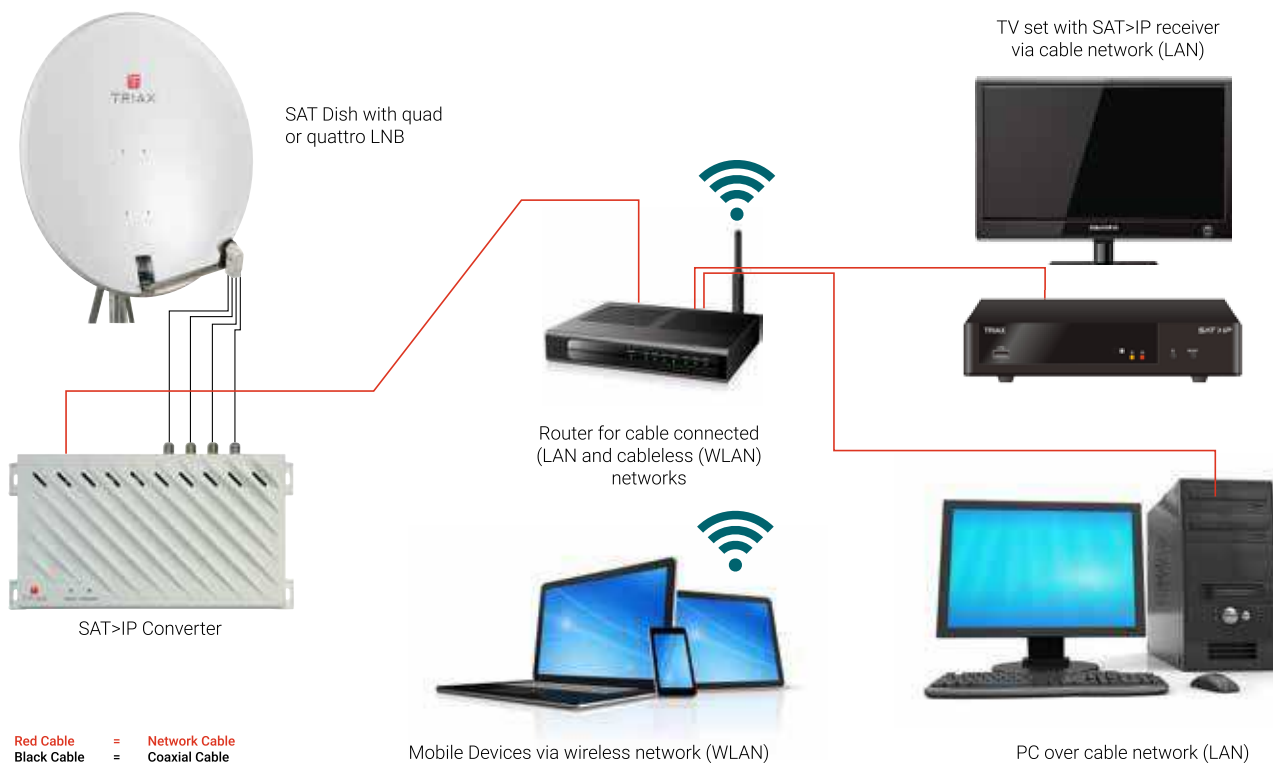
Connections



- 1 F-connectors for LNB input
- 2 Network interface
- 3 Reset button
- 4 On/off switch and power supply

TRIAX® TSS 400

Converts SAT-IF signals to IPTV signals



Type:	TSS 400 Mk. IISAT>IP Converter
Art. No.	310101
CHARACTERISTICS	
Tuner	DVB-S DVB-S2 (HDTV)
Number of tuners (different units)	4
Supported LNBS	Quad, Quattro, Unicable LNB Optical Quad or Quattro reconverter
Plug & Play	Yes
Unicable capable	Yes
OPERATIONAL	
Updates via Web configurator	Yes
Supported protocols	SAT>IP Protocol Version 1.1 Unicast via HTTP 1.0/1.1 Multicast via UDP/RTP
ELECTRICAL	
Impedance	75Ω
CONNECTORS	
Connector Type	4x F-female, Ethernet 100/1000 MBit/s
MECHANICAL	
Colour	White
Product Dimension W x H x D	250 x 126 x 35mm
Packing QTY	1
Weight (kg)	0.75kg
Box contains	Converter Power Supply Quick Start Guide



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Contact

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Headquartered in Denmark, TRIAX is an international supplier of innovative, high-tech solutions for the reception and distribution of video, audio and data signals. The company's products and solutions are used by broadcasters, cable operators, local closed networks and domestic dwelling.

TRIAX has 9 sales subsidiaries generating a turnover of approx. €90M and operates in more than 60 distributor countries. The TRIAX team consists of 350 employees and is owned Polaris Private Equity.

See www.triax.com for further info.

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