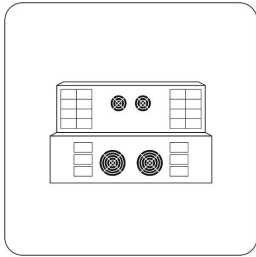


## N. Digital Distribution

### DIGITAL



### Digital Distribution Category Index

N. Digital Distribution Solutions, Headends and Equipment

- n.1 TDX
- n.2 TDH800
- n.3 Modulators
- n.4 Cat TV
- n.5 DRM Servers
- n.6 Ikuzi HT Modules
- n.7 Casting
- n.8 Compact Headends
- n.9 Ikuzi Flow

Remarks: Page 1 of 13

## n.1 TDX

### 492006



### TDX Redundant Power Supply Unit

The TDX Redundant power supply provides you with a high degree of power assurance in connection with your TDX headend system.

Brand: Triax

The redundant power supply uses two identical power supply units mounted in a mechanical frame. Only one of the two units will be active at all times supplying power. If one power supply unit breaks down the other unit instantly takes over and thereby prevents an interruption of the supply of power.

### 492091



### TDX Black Edition

TRIAX Black Edition

Brand: Triax

is the ultimate choice when delivering reliable solutions to the hospitality sector. Our solutions fully support upgrades and new installations.

The TDX Black Edition cabinet is designed with up to 16 input modules and 6 Quad output modules; it is extremely compact and can therefore be easily installed on a wall or in a 19" rack. Whether it is related to the installation, maintenance or repair, all inputs, outputs and cables can be easily installed and operated from the front of the cabinet.

Up to three TDX Black Edition Headends can be combined as one system of input and output signals, as such up to 72 PAL, COFDM or QAM channels are possible (or 480 IP services). The new HTML5 user interface guarantees easy installation, remote control and system monitoring via SNMP.

DRM integration for secure HD-service distribution is supported and can be easily handled with the Simulcrypt interface.

With the PID-management the TDX Black Edition supports services changes without any retuning of TV's.

Size: 290x240x440mm

Remarks: Sky CAM Module Approved

### TDXCARDS





### TDX Cards Sub Category Index





- n.1 TDX Cards
  - n.1.1 Front End Cards
  - n.1.2 Back End Cards
  - n.1.3 IPTV
  - n.1.4 Parts

Remarks: Pages 1 of 5

## n.1.1 Front End Cards

<b>492020</b>  	<b>TDX Frontend DVB-S</b>  DVB-S/S2 input module - QPSK and 8PSK demodulator. The DVB-S module is able to receive a complete transponder. All services on the chosen frequency will be transferred to the TDX pool. Input frequency: 950-2150. Supports DiSEqC 1.1  Demodulator Type: QPSK/8PSK DiSEqC level: 1.1 LNB LO/HI programmable: 0/22 kHz LNB V/H programmable: 0...13...18/300 V/mA Input level: 55...75 dBμV  <b>Size:</b> 29 x 132 x 50 mm	<b>Brand:</b> Triax
<b>492023</b>  	<b>TDX Front END DVB-T/T2</b>  DVB-T2 input module, The DVB-T/T2 module is able to receive a complete transponder. All services on the chosen frequency will be transferred to the TDX pool. Input frequency: 177, 5 - 226,5 / 474-862.  COFDM demodulator Demodulator/Mode: 16QAM, 64QAM / 2k and 8k. Input Level 45...75 dBμV  <b>Size:</b> 29 x 132 x 50 mm	<b>Brand:</b> Triax

## n.1.2 Back End Cards

<b>492050</b>  	<b>TDX PAL Backend FTA</b>  TDX backend PAL output module [DVB-S/S2] - Quad FTA. Any of the services coming from the TDX Pool can be modulated to an analogue PAL signal. It is possible to send out 24 PAL services/TV programs from one cabinet. Each of the output modules can be delivered with 2 CI-slots. Full band modulator.  VSB - VHF/UHF, mono, A2, Nicam  <b>Size:</b> 17 x 162 x 185 mm	<b>Brand:</b> Triax  <b>End of Line:</b> <input checked="" type="checkbox"/>
<b>492056</b>  	<b>Back End QAM CI Module</b>  QAM Quad output module. It is possible to create your own bouquets of services/TV programs, available in the TDX Pool, and put them together in a QAM data stream. Depending on the bandwidth of each service it is possible to mix all the services and use the total bandwidth in an optimal way.  <b>Size:</b> 17 x 162 x 185 mm <b>Remarks:</b> Indent	<b>Brand:</b> Triax
<b>492061</b>  	<b>TDX Backend COFDM with CI</b>  TDX Backend - COFDM quad output module. It is possible to create your own bouquets of services/TV programs, available in the TDX Pool, and put them together in a COFDM data stream. Depending on the bandwidth of each service it is possible to mix all the services and use the total bandwidth in an optimal way. 2 x CI Slots -Suitable for 2 Sky CAMS <b>Size:</b> 17 x 162 x 185 mm	<b>Brand:</b> Triax
<b>492070</b>  	<b>TDX Backend Twin CI Module</b>  The 2 x CI backend module enables you to take several services depending on CAM module from the TDX pool, decrypt them and loop them back in decrypted form to the pool.  2xCI = 2 Sky Cam Modules <b>Size:</b> 17 x 162 x 185 mm	<b>Brand:</b> Triax

492072

### TDX Back End IP Card



The IP output module is an output module for transmission of digital video, audio and miscellaneous data, encapsulated within one or more MPEG2/DVB single program transport streams.

The TDX headend system provides the following functionality when the IP out module has been installed:

- IP multicast streaming (UDP streaming)
- RTP option
- IGMP version 2
- SPTS including SDT, PAT, PMT, CAT
- Packet ratio of 3-7 TS packet per IP packet ratio 3-7:1
- Max. BW 720 Mbits/s output per IP output module
- 96 services per IP output module/AUX socket
- Possible to change service ID (SID)
- Possible to select from IP via Link
- 2 x CI slots complying EN 50 221

**Brand:** Triax

**Size:** 17 x 162 x 185 mm

492073

### TDX Pro:Idiom® IP Backend

TDX Backend - Pro:Idiom®\* IP Output Module

**Brand:** Triax

The Pro:Idiom® IP output module is an TDX module for transmission of digital video, audio and miscellaneous data, encapsulated within one or more MPEG/DVB single program transport streams. The Pro:Idiom® IP output module support DRM function for LG hospitality TVs to secure protected distribution of the IPTV-services in a IP Network. Each TDX main unit can be equipped with two Pro:Idiom® IP output modules.

The TDX headend system provides the following functionality when the Pro:Idiom® IP output module has been installed:

- IP multicast streaming (UDP streaming)
- RTP option
- IGMP version 2
- SPTS including SDT, PAT, PMT, CAT
- Packet ratio of 3-7 TS packet per IP packet ratio 3-7:1
- 48 services per Pro:Idiom® IP output module/AUX socket and 24 of them can be scrambled with Pro:Idiom®
- Possible to change service ID (SID)
- Possible to select from IP via Link
- 2 x CI slots complying EN 50 221
- The backend module package consist of:

- IP output module
- Auxiliary board
- SFP transceiver RJ45 - copper
- \* Pro:Idiom® is a registered trademark of Zenith Electronics LLC



## n.1.3 IPTV

418040

### TDX IPTV-out 12 service - Start

IP output SFP. When the incoming signals are distributed in the IP format, you will need a copper or fibre SFP (RJ45) and additional SW. The start package (item no. 418040) for IP is for 12 IP services

**Brand:** Triax

**Remarks:** Software Licience

418041

### TDX IPTV-out 12 service - Expand

IP output SFP. When the incoming signals are distributed in the IP format, you will need a copper or fibre SFP (RJ45) and additional SW. The start package is for 12 IP services, and for additional services the IPTV expand software (item no. 418041) is supplied in packages for 12 services



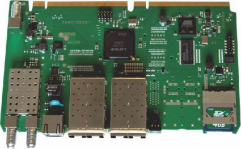

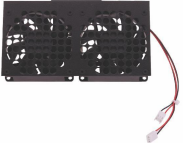
**Brand:** Triax

**Remarks:** Software Licience



<p><b>418043</b></p> 	<p><b>TDX IPTV-out 4 service - Expand</b></p> <p>When the incoming signals are distributed in the IP format, you will need a copper or fibre SFP (RJ45) and additional SW. The add-on package (item no. 418043) for IP is for 4 Extra IP services.</p> <p><b>Brand:</b> Triax</p> <p><b>Remarks:</b> Software Licence</p>
<p><b>418047</b></p> 	<p><b>TDX IPTV-in 4 service - Start</b></p> <p>IP-in 4 IP services – Start pack</p> <p>When the incoming signals are in the IP format, you will need a RJ45 or fibre SFP and additional software licenses, to receive the IP Services. This start package is for 4 IP-in services.</p> <p><b>Brand:</b> Triax</p> <p><b>Remarks:</b> Software Licence</p>
<p><b>418048</b></p> 	<p><b>TDX IPTV-in 4 service - Expand</b></p> <p>IP-in 4 IP services – Extension pack - 418048</p> <p>For additional IP-in services an IPTV-in extension pack of 4 extra licensees can be ordered.</p> <p><b>Brand:</b> Triax</p> <p><b>Remarks:</b> Software Licence</p>
<p><b>492086</b></p> 	<p><b>SFP RJ45 EOLT -C12-02</b></p> <p>SFP (Small Form - Factor Pluggable). It is possible to create your own bouquets of services/TV programs, available in the TDX Pool, and put them together in an IP data stream.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>Support 1000BASE-T operation in host systems with SGMII interface</li> <li>Up to 1.25Gbps bi-direction data links</li> <li>Hot-pluggable SFP footprint</li> <li>Fully metallic enclosure for low EMI</li> <li>Low power dissipation (1.05 W typical)</li> <li>Compact RJ-45 connector assembly</li> <li>100m transmission over unshielded twisted pair (UTP) Category 5 Cable</li> </ul> <p><b>Brand:</b> Triax</p>
<p><b>492087</b></p> 	<p><b>SPF Fibre 850nm EOLS-8512MXX</b></p> <p>IP output via fibre. It is possible to create your own bouquets of services/TV programs, available in the TDX Pool, and put them together in an IP data stream. You can use fibre cable to transmit your IP stream. Fibre LC - 850 nm. Gigabit Ethernet.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>Operating data rate up to 1.25Gbps</li> <li>850nm VCSEL Laser Transmitter</li> <li>550m with 50/125 MMF, 300m on 62.5/125 MMF</li> <li>Duplex LC Connector Interface</li> <li>Hot Pluggable</li> <li>Compliant with MSA SFP Specification</li> <li>Digital diagnostic monitor interface</li> <li>Compatible with SFF-8472</li> </ul> <p><b>Brand:</b> Triax</p> <p><b>Remarks:</b> Fibre LC - 850 nm</p>
<p><b>492088</b></p> 	<p><b>Triax SFP Fibre 1310nm</b></p> <p>IP output SFP via fibre. It is possible to create your own bouquets of services/TV programs, available in the TDX Pool, and put them together in an IP data stream. You can use fibre to transmit your IP stream. Fibre LC - 1310 nm. Gigabit Ethernet.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>Operating data rate up to 1.25Gbps</li> <li>1310nm VCSEL Laser Transmitter</li> <li>2000m with on 62.5/125 MMF</li> <li>Duplex LC Connector Interface</li> <li>Hot Pluggable</li> <li>Compliant with MSA SFP Specification</li> <li>Compatible with SFF-8472</li> </ul> <p><b>Brand:</b> Triax</p> <p><b>Remarks:</b> Fibre LC - 1310 nm</p>

## n.1.4 Parts

<b>300745</b> 	<b>Decoder Cable Sub-D to Phono</b> Triax AV cable - 1.50 m. 15 pol D-sub connector - 3 x RCA Phono connector.	<b>Brand:</b> Triax
<b>490139</b> 	<b>TDX Key and Screw Kit</b> Pack Containing TDX Screws and Key	<b>Brand:</b> Triax
<b>492000</b> 	<b>TDX Controller Module</b> Replacement TDX Main Board / Control Board	<b>Brand:</b> Triax
<b>492005</b> 	<b>TDX Power Supply Module</b> Replacement Power Sypply for TDX  Total Weight      0,905 kg	<b>Brand:</b> Triax
<b>775276</b> 	<b>TDX Fan Unit</b> TDX fan kit 80 x 80 x 25 mm KDE1208P  Total Weight      0,250 kg	<b>Brand:</b> Triax   <b>Remarks:</b> TDX Parts

## n.2 TDH800

692890

## Triax TDH 800 Main Cabinet

TDH 800. Technology, that can do more.

**Brand:** Triax

The cabinet is designed as one system of input and output signals, as such over 100 Digital Channels are possible, it is extremely compact and can therefore be easily installed on a wall or in a 19" rack. Whether it is related to the installation, maintenance or repair all inputs, outputs and cables can be easily installed and operated from the front of the TDH 800.

TDH 800 output amplifier can be software-adjusted within the range 85 dBμV through 93 dBμV.

### Specifications

Can output Digital and Analogue at the same time: YES

Output level max. 93 dBμV (105dBμV Analogue)

Test point -20 dB

Frequency range (RF OUT) 47-862 MHz

AC Supply voltage 90-260 (50/60 HZ IEC320 1.8m cable) VAC

Power Consumption (typ.) 280 (min 20) W

Temperature - operating -10 to +50 °C

External RF OUT F-connector

PC interface RJ 45: HTML5

POOL Technology YES

**Size:** HDW 265 x 240 x 440 **Remarks:** Sky CAM Module Approved



## TDH800CARDS

## TDH800 Cards Sub Category Index

n.2 TDH800 Cards

n.2.1 Front End Cards

n.2.2 Back End Cards



**Remarks:** Pages 1 of 3

## n.2.1 Front End Cards

692820

## TDH 811 Frontend - DVB-S/S2 [QPSK/8PSK]

The DVB-S/S2 frontend module is an input module for the reception of digital satellite signals in a TDH 800 headend system. The module can receive a complete transponder and all services on the chosen frequency can be transferred to the TDH 800 pool. The DVB-S/S2 frontend module includes an IF tuner with antenna loop through and a QPSK/8PSK demodulator with serial transport stream input to the TDH 800 headend system.

**Brand:** Triax

### Features:

Preconfiguration from/to file through system controller module.

Log to file/flash.

DVB-S compliant, up to 45 MS/s.

DVB-S2 compliant, up to 37 MS/s.

Programmable LNB control: 0/14/18V - 0/22kHz.



All services will be transferred to the TDH 800 pool.

DiSEqC compliant (1.0)




**Size:** 32 x 132 x 50 mm





<p><b>692823</b></p> 	<p><b>TDH 813 Frontend - DVB-T/T2 [COFDM]</b></p> <p>The DVB-T/T2 frontend module is an input module for the reception of both T and T2 digital terrestrial signals. The module can receive a complete terrestrial MUX and send all services in the MUX to the TDH 800 pool. The DVB-T/T2 frontend module includes a tuner, with integrated gain control and channel filtering, and a COFDM demodulator with serial transport stream input to the TDH 800 system.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>Reception of HD and SD services</li> <li>Software downloading through TDH 800 system controller module</li> <li>Preconfiguration from/to file through system controller module</li> <li>Log to file/flash</li> <li>All services will be transferred to the TDH 800 pool</li> </ul> <p><b>Size:</b> 29 x 132 x 50 mm</p>	<p><b>Brand:</b> Triax</p>
<p><b>692880</b></p> 	<p><b>TDH 814 Frontend AV Encoder Module</b></p> <p>The AV encoder module converts analog video (CVBS) and audio signals from a set top box, a DVD player, a camera or other sources, into a MPEG2 or MPEG4 data stream. This data stream is then available in the TDH 800 pool and can be sent out on all TDH 800 output modules.</p> <p>Audio embedded: AAC, 48 kHz/MPEG-2(L1), Stereo</p> <p>Output Video Codec: MPEG-2, MPEG-4</p> <p>Scan Resolution: 525, 625 Pixel</p> <p>Connector Type: 15pol Sub-D</p> <p><b>Size:</b> 29 x 126 x 53 mm</p> <p><b>Remarks:</b> Requires D-Sub Cable</p>	<p><b>Brand:</b> Triax</p> <p><b>End of Line:</b> <input checked="" type="checkbox"/></p>

## n.2.2 Back End Cards

<p><b>692860</b></p> 	<p><b>TDH800 Backend COFDM Card no CI</b></p> <p>Quad COFDM backend modules - DVB-T in FTA. The TDH 800 quad COFDM backend module is an output module that enables you to create up to 4 muxes of services / TV programs which are available from the TDH 800 pool. The services are distributed in a COFDM data stream. The COFDM output modules is delivered in a free-to-air version.</p> <p>MER: 35.0 dB</p> <p>Output level adjustment: +3...-17 dB</p> <p>Output Level System: 90.0 ± 1.5 dBμV</p> <p>Output QAM Modes: 16QAM, 64QAM, QPSK</p> <p><b>Size:</b> 17 x 162 x 182 mm</p>	<p><b>Brand:</b> Triax</p>
<p><b>692861</b></p> 	<p><b>TDH 844 Backend - COFDM -2CI</b></p> <p>Quad COFDM backend module - with 2 x CI slots. The TDH 800 quad COFDM backend module is an output module that enables you to create up to 4 muxes of services / TV programs which are available from the TDH 800 pool. The services are distributed in a COFDM data stream.</p> <p>Carrier supported: 2K</p> <p>Guard Interval: 1/32, 1/16, 1/8, 1/4</p> <p>MER: 35.0 dB</p> <p>Output level adjustment: +3...-17 dB</p> <p>Output Level System: 90.0 ± 1.5 dBμV</p> <p>Output QAM Modes: 16QAM, 64QAM, QPSK</p> <p>Output spectrum: Normal</p> <p>Spurious Signals: &gt; 60 dB</p> <p><b>Size:</b> 24 x 162 x 182 mm</p>	<p><b>Brand:</b> Triax</p>
<p><b>692870</b></p> 	<p><b>TDH 847 2CI Backend</b></p> <p>The 2 x CI backend module enables you to take several services depending on CAM module from the IP pool, decrypt them and loop them back in decrypted form to the pool.</p> <p><b>Size:</b> 24 x 162 x 185 mm</p>	<p><b>Brand:</b> Triax</p>

### n.3 Modulators

300128

#### Triax HDMI to COFDM Modulator -With Loop and IR

MOD103T HDMI to COFDM Modulator  
Watch + control HD content at each TV location using existing coax cable infrastructure

**Brand:** Triax

Compact design  
All inputs and outputs on one side for ease of installation  
Full HD Video and HDMI Loop through  
IR Control when used with Digital Links and IR Pass Amplifiers  
Combine multiple modulators together for more HD channels on your network - watch different sources on different TV's

IR Emitter required at HDMI source (supplied)  
Compatible with HDMI sources  
Ideal solution for domestic and commercial installations

All inputs and outputs on one side for ease of installation  
Full HD Video and HDMI Loop through  
IR Control when used with Digital Links and IR Pass Amplifiers  
IR Sensor & 2 RF Outputs  
Output combined with existing RF signals  
Channel 21-69  
Supplied with 230VAC to 12VDC F Power Supply.

**Size:** 106 x 32 x 220mm **Remarks:** HDMI Loop out and IR

370228

#### Triax Digital Link

The Triax Digital Link will allow control of your digital receiver whilst viewing in other rooms around the home.  
The Triax Digital Link is compatible with receivers with an output marked RF-OUT2 that takes a second TV output together with a 9 volt DC supply  
Designed to work with the TriLink Kits and Triax HDMI Modulators  
37.9kHz Carrier Output Signal Frequency - On-Off Keyed 7MHz Carrier Line

**Brand:** Triax

**Size:** 80mm x 100mm

**UPC** 5702663702288

DM-02TH

#### Domestic Digital HDMI modulator basic

Simple HDMI Modulator for Domestic Only Installations.  
HDMI In  
HDMI Out  
RF In  
RF Out  
AV In through 3.5mm  
12VDC Plug Pack

**Brand:** OEM

HD860Q

#### 4 in HDMI & Component COFDM DVB-T Modulator

4 X HDMI inputs , 1 x RF output (1 mux)  
Output Level : 100dBuV  
RF Level adj: 0-30dBuV  
Attenuation Step 1db  
Max Video Res: 1080p 30FPS  
Audio : MPEG ,AAC  
Video: HDMI 1.4 h.264  
HTTP Log in an control - Fully Commercial Modulator

**Brand:** Helix

**Remarks:** Full LCN and NZ Channel Support

### n.4 Cat TV



350661



### NBL 0200 Cat TV Balun

The balun (balanced - unbalanced) converts from catTV Panel transmitter via generic cabling symmetrical signal (100 ohms) to devices (eg TV and radio) coaxial signal (75 Ohm).  
The catTV balun is connected by patch cable to the RJ45 socket.  
Audio input signals via RJ 45  
Reconversion of 100 Ohm in 75 Ohm  
Amplification of the RF signal  
Assignment of the signals on the outputs  
Skew and attenuation of max. 50 dB to compensate  
Plug and Play, 3 switch positions for easy adaptation to different cable lengths

**Brand:** Triax

350663



### CATTV Panel NPN3412

NPN and NPO catTV panels for televisions and radios at any point in the data network without additional installation of coaxial cable.  
Active Transfer box for distribution of CATV signals over a generic building wiring.  
The panel with electric NPN input (coaxial / 75 Ohm) converts the input signal to a balanced signal (sym./100 Ohm) to it intrude on the Patch (Patch Panel) of the building wiring to the subscriber line.  
Super low noise push-pull technology  
Level control + equalizer at the input  
Input test jack

**Brand:** Triax

947748001



### NBL 0265 Cat Tv Balun

The balun (balanced - unbalanced) converts from catTV Panel transmitter via generic cabling symmetrical signal (100 ohms) to devices (eg TV and radio) coaxial signal (75 Ohm).  
The catTV balun is connected by patch cable to the RJ45 socket.  
Audio input signals via RJ 45  
Reconversion of 100 Ohm in 75 Ohm  
Amplification of the RF signal  
3 variants: without RK, RK 5-30 MHz, 5-65 MHz RK  
Skew and attenuation of max. 50 dB to compensate  
Plug and Play, 3 switch positions for easy adaptation to different cable lengths

**Brand:** Triax

## n.5 DRM Servers

418073



### TDX Samsung DRM backend license

TDX Samsung DRM license  
The Samsung DRM license makes it possible to scramble IP and digital modulated services (QAM, COFDM) in the TDX with a scrambling code that Samsung hospitality TV's with integrated DRM function, can receive and de-crypt.

This offers a cost effective solution to distribute premium content in a hotel network.

The Samsung lynk or reach software is required to manage the scrambling, and runs on an external server.

**Remarks:** License

**Brand:** Triax

## n.6 Ikuzi HT Modules

IKU3863







### HTI-424 Quad transmodulator with IPTV


High Density Universal transmodulator




Quad transmodulator with IPTV  
Transmodulator 4 universal DVB inputs and 4 IPTV inputs  
4 outputs DVB-T/C ; 64 IPTV multicast outputs  
2 CAM slots  
Remote management enabled

**Brand:** Ikuzi



<b>IKU3864</b>	<b>HTI-404 Quad Transmodulator</b>	
	<p>High Density Universal transmodulator</p> <p>DVB-S/S2, DVB-T/T2, DVB-C to DVB-T/C Transmodulator</p> <p>Quad universal tuner</p> <p>Output 4 DVB-T or DVB-C selectable channels</p> <p>Remote management enabled</p>	<p><b>Brand:</b> Ikuzi</p>
<b>IKU3865</b>	<b>PSU-150 Power Supply Module</b>	
	<p>Power Supply module</p> <p>High output power</p> <p>High efficiency</p> <p>Optimizes consumption</p>	<p><b>Brand:</b> Ikuzi</p>
<b>IKU3866</b>	<b>Base-plate for HTI Headend</b>	
	<p>Base-plate for HTI Headend</p> <p>Capacity for 5 modules</p> <p>Interconnected base-plate</p> <p>Wall and rack fixing</p>	<p><b>Brand:</b> Ikuzi</p>
<b>IKU3868</b>	<b>HTA-125 47-862 MHz Broadband power amplifier</b>	
	<p>47-862 MHz Broadband power amplifier</p> <p>Multi-channel output signal</p> <p>Gain adjustment</p> <p>Extension input</p>	<p><b>Brand:</b> Ikuzi</p>



## n.7 Casting

<b>168323-CM</b>	<b>Hospitality Chrome Cast Device</b>	
	<p>Hospitality programmed chrome cast device. Ordered as part of casting solution.</p>	<p><b>Brand:</b> OEM</p>
<b>383350</b>	<b>Triax Cast Server -300</b> <p>Triax Cast server for upto 300 Cast Devices Robust, reliable and well proven platform</p> <ul style="list-style-type: none"> <li>• Slim and space saving</li> <li>• Optional 1U 19" bracket for rack mount</li> <li>• In-house developed Software</li> <li>• Uses Standard Google Chromecast</li> <li>• Enables intuitive, privacy-focused dependable casting experience</li> <li>• Easy to configure</li> <li>• Easy to manage</li> </ul> <p>Contact us to discuss this solution.</p>	<p><b>Brand:</b> Triax</p> <p><b>Remarks:</b> Cost-effective in-room entertainment</p> <p><b>UPC</b> 887993002385</p>
<b>383351</b>	<b>Server 19" Bracket for Triax Cast</b> <p>Provides 19" rack mounting for the Triax Cast Server 300</p>	<p><b>Brand:</b> Triax</p>



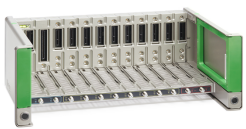

383352	<b>Triax Cast Server -60</b>	
	<p>Triax Casting Server for 60 or less cast devices Robust, reliable and well proven platform</p> <ul style="list-style-type: none"> <li>• Slim and space saving</li> <li>• In-house developed Software</li> <li>• Uses Standard Google Chromecast</li> <li>• Enables intuitive, privacy-focused dependable casting experience</li> <li>• Easy to configure</li> <li>• Easy to manage</li> </ul> <p>Contact us to discuss this solution.</p>	<p><b>Brand:</b> Triax</p>
383650	<b>Triax Cast License Key - 1 Year</b>	
	<p>Triax Cast price is per Cast / Per Year invoiced in advance.</p>	<p><b>Brand:</b> Triax</p>
383994	<b>Triax Cast Lock</b>	
	<p>Device to protect the Google Chromecast from theft and tampering</p> <ul style="list-style-type: none"> <li>• Chromecast unit locked inside the CastLock</li> <li>• CastLock secured to the TV with a wire</li> </ul>	<p><b>Brand:</b> Triax</p> <p><b>UPC</b> 5702663839946</p>




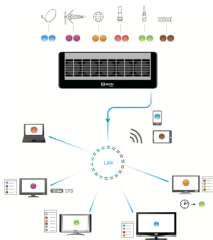


### n.8 Compact Headends

418740	<b>TDcH IP Out Licence 100IP</b>	
	<p>To distribute IPTV signals out from the TDcH you will need a SFP adapter (article number: 492086) and a IP-out activation license key. The license activates the IP-out functionality and is not based on service quantity. Maximum services at one TDcH is 100 IP-out services (TV and Radio) or maximum output bandwidth of 950 Mbit. All TDcH headends are able to activate the IP-out functionality via a license key.</p> <p>LCN (Logical Channel Numbering) for IPTV services discovery SID and TSID management PID management Real time output load measurement Service Discovery protocols (M3U, M3Ue, M3Uepp, XSPF) EPG for IP-out services. EIT for current service inside the SPTS streamed via UDP/RTP multicast direct to the TV set or as Samsung EPG XML for Samsung SINC or REACH server.</p>	<p><b>Brand:</b> Triax</p>
<b>Remarks:</b> 100 Channels		
492781	<b>TDcH Compact Headend 16S-I</b>	
	<p>TDcH Compact Headend with CI Interfaces Satellite configuration is available with 4 DVB-S2X inputs distributed to 16 tuners, 16 QAM or COFDM modulated output muxes with 8 CI Slots The TDcH compact headend is built for both wall mounting and 19 racks. Each model stands just 90mm tall and the new integrated SCR multiswitch is an additional space-saving benefit.</p> <p>Triax Next Gen Headend System. IPTV Upgrade available 418740 for 100 IPTV Channels IPTV Inputs and SNMP also available with license.</p>	<p><b>Brand:</b> Triax</p> <p><b>Size:</b> 19" Rack Mounting      <b>Remarks:</b> Indent only</p>

<p><b>492782</b></p> 	<p><b>TDcH 22STC - COFDM Compact Digital Headend</b></p> <p>Satellite, terrestrial and cable configuration is available with              4 DVB-S2X inputs distributed to 16 tuners,              1 DVB-T2/C input distributed to 6 tuners,              16 QAM or COFDM modulated output muxes and 8 CI slots.              The TDcH compact headend is built for both wall mounting and 19 racks.              Each model stands just 90mm tall and the new integrated SCR multiswitch is an additional space-saving benefit.</p> <p>Triax Next Gen Headend System.              IPTV Upgrade available 418740 for 100 IPTV Channels              IPTV Inputs and SNMP also available with license.</p> <p><b>Brand:</b> Triax</p>	<p><b>Size:</b> 19" Rack mount      <b>Remarks:</b> Complete Compact Headend.</p>
<p><b>492791</b></p> 	<p><b>TDcH Compact Headend 16S</b></p> <p>TDcH Compact Headend Satellite only</p> <p>Satellite configuration is available with              4 DVB-S2X inputs distributed to 16 tuners,              16 QAM or COFDM modulated output muxes              The TDcH compact headend is built for both wall mounting and 19 racks.              Each model stands just 90mm tall and the new integrated SCR multiswitch is an additional space-saving benefit.</p> <p>Triax Next Gen Headend System.              IPTV Upgrade available 418740 for 100 IPTV Channels              IPTV Inputs and SNMP also available with license.</p> <p><b>Brand:</b> Triax</p>	<p><b>Size:</b> 19" Rack Mount      <b>Remarks:</b> Indent only</p>

### n.9 Flow Headend

<p><b>4308</b></p> 	<p><b>Flow PSU</b></p> <p>Heat protection against failure of external air conditioning              Greater efficiency using half-bridge technology              Power correction factor</p> <p><b>Brand:</b> Triax</p>	
<p><b>4311</b></p> 	<p><b>Flow SEC CI</b></p> <p>Decryption(CAS) and encryption(DRM) in the same module              2 Common Interface slots              Automatic reboot from CAM with decryption faults              Support of up to 16 SPTS per CAM</p> <p><b>Brand:</b> Triax</p>	
<p><b>4312</b></p> 	<p><b>Flow Base 2.0</b></p> <p>Self-assembled chassis              Valid for both 19" rack or wall mount              Tool-free and accessory-free assembly              Multiswitch incorporated</p> <p><b>Brand:</b> Triax</p>	
<p><b>4313</b></p> 	<p><b>Flow Out</b></p> <p>Digital module 4 or 6 output channels COFDM or QAM</p> <p>Four or six COFDM or QAM output              Up to 8 SPTS per carrier              Independent carriers on the spectrum              Output level of 78 to 108dbμV</p> <p><b>Brand:</b> Triax</p>	

Satellite Reception   Terrestrial Reception   IPTV   Dishes   Amplifiers   Receivers   Headends   Antennas		
4314	 <p><b>Flow Hub 2.0</b></p> <p>It controls all the internal parameters of the headend own wifi LAN interface for local and remote access 2 X gigabit Ethernet ports for IPTV Configuration guided by an assistant</p> <p><b>Brand:</b> Triax</p>	
4315	 <p><b>Flow ENC - HDMI</b></p> <p>4 HDMI inputs Video compression MPEG4 H.264 or MPEG2 FULL HD quality</p> <p><b>Brand:</b> Triax</p>	
4316	 <p><b>Flow Cover 2.0</b></p> <p>5 fans Magnetic connection with triple function: mechanical adjustment, power supply and speed control of the fans Noise and friction-free magnetic technology</p> <p><b>Brand:</b> Triax</p>	
4317	 <p><b>Flow Device MGR - DRM</b></p> <p>KUSI FLOW viewing device controller software Supported devices</p> <ul style="list-style-type: none"> <li>• FLOW STB</li> <li>• FLOW STB AC3+</li> <li>• LG TV with HCAP HTML5 API</li> <li>• Samsung TV with H.BROWSER API* • Philips TV with JAPIT API</li> </ul> <p><b>Brand:</b> Triax</p>	
4319	 <p><b>Flow INx4</b></p> <p>Four universal input DVB S/S2/T/T2/C multistandard Autoscan</p> <p><b>Brand:</b> Triax</p>	
4320	 <p><b>RPSU - Redundant PSU</b></p> <p>Heat protection against failure of external air conditioning Integrates two identical power supplies Power supply can be changed without disconnecting the headend</p> <p><b>Brand:</b> Triax</p>	