

## TDX Cabinet

- main unit for TDX range of modules

The TDX housing is designed to accommodate up to 16 frontend and 6 quad backend modules. Up to three TDX headends can be combined as one system of up to 48 input muxes and 72 output channels, either 72 PAL programs or 72 QAM/COFDM muxes or a mixture of these.

The heart of the TDX is the TDX pool where services are available from all front end modules, whether terrestrial, satellite or AV encoder. From the pool, the services can be cherry-picked and distributed via the COFDM, QAM, PAL or IP backend modules. Any input can be connected to any output.

Configuration of the TDX can either take place by using the TDX service tool or the web based configurator. Both the TDX service tool and the web configurator ensure that the COFDM or QAM muxes are created in a way where the maximum bandwidth is respected.

The TDX unit can be mounted in a 19" rack or mounted on the wall horizontally or vertically by using the wall brackets. Use the key to open the front lid and get access to the modules (keys are identical for all TDX systems). After opening the lid, the top metal cover can be removed. The compartment under the cover serves as a cable guide, ensuring the connected cables are protected, orderly and easy to access at the headend.

Both frontend and backend modules are replaceable from the front side of the TDX without powering down the headend. The main PSU is also replaceable from the front side by disconnecting the mains power and using a torx screw driver.

A fully loaded headend consumes only 0,2 kW. Coupled with intelligent cooling with four integral fans, this increases the life time of the equipment and makes the TDX a choice that takes care of the environment.

- Better and stronger performance with energy-friendly and long-term reliability, in a compact housing



- Quick installation
- Cable management
- Hot swap service in TDX system.
- Easy set-up with few modules



**Technical data:**

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## Technical data

Product		TDX Main unit cabinet
Art. No.		492090
<b>General</b>		
Frequency range (RF OUT)	MHz	47-862
Impedance (RF OUT)	Ohm	75
Return loss (RF OUT)	dB	> 14 at 47MHz (-1.5dB/octave; Min. 10dB)
Testpoint	dB	-20
Output level max @ 60 dB IMD 24 combined channels	dB $\mu$ V	103
<b>Power Supply</b>		
Operating voltage	VAC	190-260 50/60 Hz
Min. power consumption	W	20
Max. power consumption	W	280
Max. LNB control	mA	4 x 305
<b>Connectors</b>		
AC Power in (1,8m)		IEC320 (cable)
Ext. TV-OUT		F-con
Ext. testpoint		F-con
PC		RJ 45
SFP cage		4 x expansion
<b>Environment</b>		
Temperature, operating	°C	-10...+50
Temperature, storage	°C	-20...+70
Humidity, operating	%	20...80
Humidity, storage	%	10...90
<b>Mechanical data</b>		
Weight - net	kg	10.5
Dimensions product ( L x W x H )	mm	440x240x290

### Recycling:

This product is manufactured in compliance with current EU environmental and recycling requirements and standards (WEEE, RoHS, etc.). Please observe your local implementation and requirements when recycling.

