

TDX - Quad COFDM backend modules

DVB-T in FTA or with 2 x CI slots

The TDX 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 TDX pool. The services are distributed in a COFDM data stream.

The services can be combined so that the bandwidth of each output mux is used in an optimal way. Both the web configurator and the mux bandwidth monitor function in the TDX service tool ensure that you don't overload the bandwidth and cause problems with the transmission.

The COFDM output modules can be delivered in a free-to-air version or with 2 CI slots for decryption.

Features:

- Quad DVB-T output module for FTA or for decoding content/ services
- Easy set-up
- Hot swap service in TDX system.
- All services will be transferred to the TDX pool.
- Supports decoding via CA (492061)
- Combine your COFDM muxes as you want

Technical data:

- see next page



Quad COFDM backend module - FTA



Quad COFDM backend module - with 2 x CI slots



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DVB-T in FTA or with 2 x CI slots



Technical data

Product		Quad COFDM backend module FTA	Quad COFDM backend module CI
Art. No.		492060	492061
Modulator			
Output frequency range	MHz	50-858	50-858
Channel raster	MHz	7 / 8 / 8.5	7 / 8 / 8.5
Frequency step	kHz	250	250
Carrier to spurious ratio (module only)	dB	> 60	> 60
Carriers supported		2K, 8K	2K, 8K
Guard interval		1/32, 1/16, 1/8, 1/4	1/32, 1/16, 1/8, 1/4
FEC		1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Output mode		16QAM, 64QAM, QPSK	16QAM, 64QAM, QPSK
Output spectrum		Normal	Normal
Output level adjustment	dB	+ 3...- 17	+ 3...- 17
Output level nominal in TDX system	dBμV	92.0 (QAM 64)	92.0 (QAM 64)
Output impedance	Ohm	75	75
Return loss output	dB	> 10	> 10
Modulation error ratio (MER)	dB	≥ 36.0	≥ 36.0
CI slots	pcs.	0	0
General			
Supply voltage	V	12.0 ±1	12.0 ±1
Max. supply current (FTA / CI)	A	1.0	1.2
Mechanical data			
RF connector		F-connector	F-connector
Power supply/control connector	mm	PCI Express Edge connector 36P	PCI Express Edge connector 36P
Weight	kg	0.430	0.460
Dimension (HxDxW)	mm	12 x 162 x 180	21 x 162 x 180

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.



TRIAX - your ultimate connection

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