Product *Info*

TDH 843/844
Quad COFDM backend modules
DVB-T in FTA or 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.

The services can be combined so that the bandwidth of each output mux is used in an optimal way. The mux bandwidth monitor function in the TDH 800 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
- All services will be transferred to the TDH 800 pool.
- Supports decoding via CA (692861)
- Combine your COFDM muxes as you want

Quad COFDM backend module - FTA

Technical data: - see next page   **Quad COFDM backend module - with 2 x CI slots**

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DVB-T in FTA or with 2 x CI slots

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Technical data

Type:		TDH 843 Quad COFDM backend output module FTA	TDH 844 Quad COFDM backend output module CI
Art. no.		692860	692861
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 nominel in TDH 800 system	dBμV	90.0 (QAM 64)	90.0 (QAM 64)
Output impedance	Ohm	75	75
Return loss output	dB	> 10	> 10
Modulation error ratio (MER)	dB	≥ 35.0	≥ 35.0
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		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

TRIAX - your ultimate connection

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