TDH 845/846
Quad QAM backend modules
DVB-C in FTA or with 2 x CI slots

The TDH 800 quad QAM backend module is an output module that enables you to create up to 4 mux combinations of services/TV programs which are available from the TDH 800 pool. The services are distributed in a QAM 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.
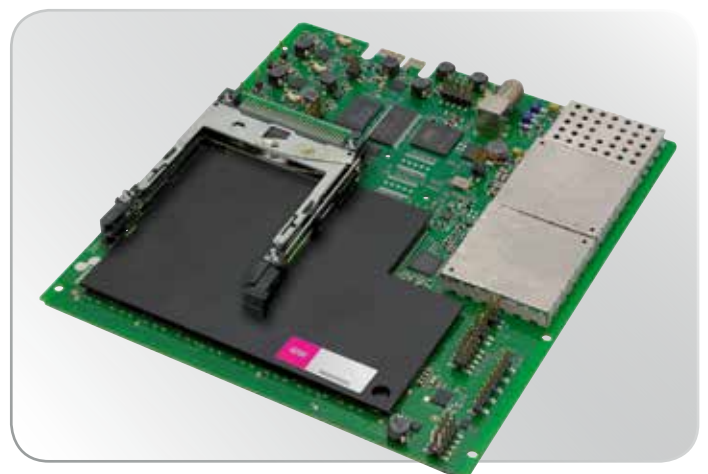
The QAM output modules can be delivered in a free-to-air version or with 2 CI slots for decryption.

Features:
- Quad QAM DVB-C output module for FTA or for decoding content/ services
- NIT and stuffing
- Global and local NIT support
- NIT actual network & NIT other network
- SDT actual transport stream & SDT other transport stream
- Easy set-up
- All services will be transferred to the TDH 800 pool.
- Supports decoding via CA (692851)
  - Module adds stuffing bits
- Combine your QAM muxes as you want

Quad QAM backend module - FTA

Quad QAM backend module - with 2 x CI slots

Technical data: - see next page

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Technical data

Type:		TDH 845 Quad QAM backend output module FTA	TDH 846 Quad QAM backend output module CI
Art. no.		692855	692856
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
Output mode	QAM	16, 32, 64, 128, 256	16, 32, 64, 128, 256
Output spectrum		Normal	Normal
Output level adjustment	dB	+ 3…- 17	+ 3…- 17
Output level nominel in TDH 800 system	dBµV	90.0	90.0
Output impedance	Ohm	75	75
Symbol rate	Mbaud	3.15 - 7.2	3.15 - 7.2
Roll of factor		0.15	0.15
Return loss output	dB	> 10	> 10
Modulation error ratio (MER) 16 QAM	dB	≥ 35.0	≥ 35.0
Modulation error ratio (MER) 64 QAM	dB	≥ 35.0	≥ 35.0
Modulation error ratio (MER) 256 QAM	dB	≥ 35.0	≥ 35.0
CI slots	pcs.	0	2
General			
Supply voltage	V	12.0 ±1	12.0 ±1
Max. supply current (FTA / CI)	A	0.7	0.9
Mechanical data			
RF connector		F-connector	F-connector
Power supply/control connector		PCI Express Edge connector 36P	PCI Express Edge connector 36P
Weight	kg	0.410	0.440
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.

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