

# Transmodulator OM10 0646

## 6x DVB-S/S2 – 6x COFDM + 4 CI



### Description

The OM 10 0646 is a micro headend which can transmodulate 6 DVB-S/S2 transponders into 6 DVB-T (COFDM) packages. As it comes with 4 CI slots, it is perfectly suited for the central decryption of pay-tv services. There is also the possibility to create a multiplex before the CI slots allowing the user to combine services from different transponders but to decrypt them by only one smartcard, hereby guaranteeing the efficient usage of professional CAMs. Additionally the OM 10 supports the deletion of unwanted services from a transponder and enables the reduction of output channels by using the output multiplex functionality. External video content can be fed in over USB as a transport stream.

### At a glance

- Transmodulator of 6 DVB-S/S2 transponders to 6 DVB-T packages
- The integrated 4 in 6 switch matrix reduces the installation effort and DiSEqC 1.0 is increasing the flexibility by controlling up to 4 satellites
- 4 CI slots for central decryption
- PID remapping allows setting of static service PIDs at the output. It is no longer necessary for the TV set to make a scan if there is any transponder modification at the input \*
- LCN / NIT processing
- Multiplex functionality at the input and output
- USB - interface to feed in any video content \*
- Programming via web interface
- Integrated DHCP server enables an automatic connection to a PC
- Smartphone and tablet programmable via Bluetooth\*

\* expected Q3 / 2016

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Technical data	
<b>Input</b>	
Impedance	75 Ω
Input frequency range	950 ... 2150 MHz
Input frequency steps	1 MHz
Return loss IN	>8 dB
Input level range	55...90 dBμV
Modulation DVB-S	QPSK (EN 300421)
Symbol rate DVB-S	1...53 MSps
Modulation DVB-S2	QPSK, 8PSK, (EN 302307), 16 APSK, 32 APSK
Symbol rate DVB-S2	1...53 MSps (QPSK); 1...45 MSps (8PSK); 1...35 MSps (16APSK); 1...28 MSps (32APSK)
Data format	EN 302307
Spectral inversion	Automatic
<b>CI Processing</b>	
Number of PCMCIA slots	4
<b>TS Processing</b>	
TS stuffing	Yes
SI-Table handling	Yes
NIT handling	Yes
PID remapping	Yes
<b>COFDM Processing</b>	
Constellations	QPSK, 16-, 64-QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
FFT Mode	2k, 8k
MER	>40 dB
<b>Output</b>	
Impedance	75 Ω
Output frequency range	110...862 MHz
Output frequency steps	250 kHz
Output level	85...100 dBμV
Channels per port	6 pcs.
Channel allocation	adjacent
Return loss	≥14 dB (45 MHz), 1,5 dB/Octave but >10 dB
Output level setting	0...15 dB (1 dB step)

Technical data	
<b>Connectors</b>	
RF-Input	4x F
RF-Output	1x F
Power	DC connector
<b>General data</b>	
Supply voltage	110...240 V (50/60 Hz)
Dimensions (width x height x depth)	250 x 160 x 25 mm
Power consumption	<40 W
Operating temperature range	5...45 °C

Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	340 x 285 x 175 mm
Gross weight sales unit	2,6 kg
EAN	4010056746162
Article number	OM10 0646