

WISI OM 11 0648

Transmodulator 6x DVB-T/T2/C - 8x QAM/COFDM + 4 CI



ELPAS



Description

The OM 11 0648 is a micro headend which can transmodulate 6 DVB-T/T2/C channels into 8 DVB-C (QAM) or 8 DVB-T (COFDM) channels. 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 channels but to decrypt them by only one smartcard, hereby guaranteeing the efficient usage of professional CAMs. Additionally the OM 11 supports the deletion of unwanted services from a channel 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-T/T2/C channels to 8 DVB-C or DVB-T channels
- Integrated switch matrix reduces installation effort. Parallel insertion of DVB-T/T2 and DVB-C possible
(Input 1 -> Tuner 1...2 /Input 2 -> Tuner 1...6/
Input 3 -> Tuner 3...6)
- 4 CI slots for central decryption
- PID remapping allows setting of static service PIDs at the output. It is no longer necessary for the TVset 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 access via Bluetooth

Technical data

Input	
Impedance	75 Ω
Input frequency range	42...1002 MHz
Input frequency steps	250 kHz
Input level range	55...95 dBμV
Bandwidth	6, 7, 8 MHz
Modulation DVB-T/T2	COFDM / OFDM (EN 300 744)
Symbol rate DVB-T/T2	according modulation standard
Modulation DVB-C	16-, 64-, 256 QAM (EN 300 429)
Symbol rate DVB-C	1...7,2 MSps
FEC DVB-T	RS 204, 1885,8 / Convolution
FEC DVB-T2	LDPC / BCH
FEC DVB-C	RS 204-16

CI Processing

Number of PCMCIA slots	4
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TS Processing

TS stuffing	Yes
SI-Table handling	Yes
NIT handling	Yes
PID remapping	Yes

QAM Processing

Constellations	64-, 256- QAM
Symbol rate	4,45...7,20 MSymb/s
MER	>40 dB

COFDM Processing

Constellations	QPSK, 16-, 64-QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/8, 1/16, 1/32
FFT Mode	2k, 8k
MER	>40 dB

Output

Impedance	75 Ω
Output frequency range	110...862 MHz (COFDM); 50...862 MHz (QAM)
Output frequency steps	1 MHz
Output level	90...105 dBμV
Number of Channels	8 pcs.
Channel allocation	adjacent (2 blocks per 4 channels)
Return loss	≥14 dB (45 MHz), 1,5 dB/Octave but >10 dB
Output attenuation	0...15 dB (1 dB step)

Connectors

F-socket	5 pcs. (4x Input, 1x Output)
RJ45	1 pcs.
USB	1 pcs.
Power	DC connector

General data

Supply voltage	110...240 V (50/60 Hz)
Dimensions (width x height x depth)	272 x 196 x 75 mm
Power consumption	Typ. <40 W (Max. 50 W with 4 LNBS)
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
Shipping unit	1 pcs.
EAN	4010056751951
Article number	75195
Customs tariff number	85437090