WISI OM 10 0326

Transmodulator 3x DVB-S/S2/S2X – 6x COFDM + 2 CI

Description

The OM 10 0326 is a micro headend which can transmodulate 3 DVB-S/S2/S2X transponders into 6 DVB-T (COFDM) packages. As it comes with 2 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. As a transport stream, external video content can be fed in via USB or the LAN connection.

At a glance:

- Transmodulator of 3 DVB-S/S2/S2X transponders to 6 DVB-T channels
- The integrated 3 in 3 switch matrix reduces the installation effort and DiSEqC 1.0 is increasing the flexibility by controlling up to 4 satellites
- 2 CI slots for central decryption
- PID remapping allows setting of static service IDs 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 access via Bluetooth

Technical data

Input

Number of tuner	3 pcs.
Modulation type	DVB-S/S2/S2X
Impedance	75 Ω
Input frequency range	950...2150 MHz
Input frequency steps	1 MHz
Input level range	50...90 dBµV
Symbol rate	1...53 MS/s
DiSEqC	DiSEqC 1.0
Compliance	DVB-S (EN 300 421), DVB-S2 (EN 302 307-1), DVB-S2X (EN 302 307-2)

CI Processing

Number of PCMCIA slots	2

TS Processing

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

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
Output frequency steps	1 MHz
Output level	85...100 dBµV
Number of Channels	6 pcs.
Channel allocation	adjacent (1 x 6)
Return loss	≥14 dB (45 MHz), 1,5 dB/Octave but >10 dB
Output attenuation	0...15 dB (1 dB step)

Connectors

F-socket	4 pcs. (3x Input, 1x Output)
RJ45	1 pcs.
USB	1 pcs.

General data

Supply voltage	110...240 V (50/60 Hz)
Dimensions (width x height x depth)	272 x 196 x 75 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
Packaging volume sales unit	dm³
Gross weight sales unit	kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm³
Gross weight shipping unit	kg
EAN	4010056759315
Article number	75931
Customs tariff number	85176200