

WISI GF10 12816

FALCON Transmodulator 12 x DVB-S/S2 in 16 x DVB-C/T with 8 x CI



Description

The FALCON Compact Video Headend GF10 12816 is used for the transmodulation of up to 12 DVB-S/S2 transponder into 16 DVB-C (QAM) or DVB-T (COFDM) channels. The integrated switching matrix makes it incredibly simple to assign the various connected polarisation to each receiver tuner without any need for additional external devices. Equipped with 8 CI slots, scrambled services can be descrambled and processed as free accessible contents. Due to the integrated multiplexing functionality at the input of the CI interface, the performances of the connected CAMs can be used efficiently. More than that, services can be selected and multiplexed to any of the correspondent output channels. External contents, such as videoclips, can be added to the output transportstreams via the 2 USB interfaces or over LAN.

At a glance:

- Transmodulator of 12 DVB-S/S2/S2X transponders to 16 DVB-C or DVB-T channels. DVB-S2X reception as an option.
- Integrated 2 x 4 in 6 multiswitch and DiSEqC 1.0 control
- 8 CI slots for decryption of scrambled services
- PID remapping to static Service IDs. Rescanning of connected TV sets is not needed in case of input service changes
- LCN / NIT processing
- Multiplexing at the output
- 2 USB interfaces for media player application
- Easy and intuitive programming via web browser
- DHCP server functionality - automatic connection to the PC
- Test output connection (-20 dB) for uninterrupted measurements.

Build in high efficiency switch mode power supply

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Technical data		Packaging data	
Input		Sales unit	1 pcs.
Number of tuner	12 pcs.	Dimensions (WxHxD) sales unit	580 x 520 x 75 mm
Modulation type	DVB-S/S2 (S2X optional)	Packaging volume sales unit	22.62 dm ³
Impedance	75 Ω	Gross weight sales unit	6.6 kg
Input frequency range	950...2150 MHz	EAN	4010056768485
Input frequency steps	1 MHz	Article number	76960
Input level range	50...90 dBµV	Customs tariff number	85176200
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	8		
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 Mbaud		
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 kHz		
Output level	70100 dBµV		
Number of Channels	16 pcs.		
Channel allocation	adjacent (4 x 4 channels)		
Return loss	≥14 dB (45 MHz), 1,5 dB/Octave but >10 dB		
Output attenuation	30 dB (1 dB steps)		
Connectors			
Inputs	8x F-female		
Output	1x F-female		
Test-Output	1x F-female		
Management	1x RJ45		
Media-Player	2x USB-A		
General data			
Supply voltage	110...240 V (50/60 Hz)		
Dimensions (width x height x depth)	483 x 451 x 44 mm		
Power consumption	max. 80 W		
Operating temperature range	5...45 °C		
Weight	4.4 kg		