

# WISI GF10 12016

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



## Description

The FALCON Compact Video Headend GF10 12016 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. 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 transport streams 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
- 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

## WISI Communications GmbH & Co. KG

Wilhelm-Sihn-Str. 5-7  
75223 Niefern-Oeschelbronn, Germany

Phone: +49 7233 66-0, Fax - 350  
E-Mail: [export@wisi.de](mailto:export@wisi.de)

Technical Modifications reserved. WISI cannot be held liable for any printing error. 28. August 2024, 1:05 PM

## Technical data

Input	
Number of tuner	12 pcs.
Modulation type	DVB-S/S2 (S2X optional)
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)

## 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	70...100 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

## Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	345 x 290 x 170 mm
Packaging volume sales unit	16.75 dm <sup>3</sup>
Gross weight sales unit	6.5 kg
EAN	4010056768492
Article number	76849
Customs tariff number	85176200