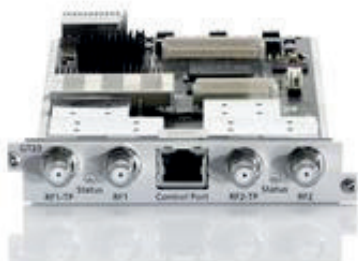


# WISI GT 23 W

Tangram module IP to 8x QAM



## Description

The GT 23 W module is part of the Tangram product portfolio. The GT 23 W module allows you to add up to 8 services in QAM (DVB-C) format per module to your network. Tangram is a very high density and highly flexible solution for all kinds of networks. The WISI Tangram chassis uses a fully redundant concept (n+1, 1+1).

## Scope of delivery

- 1x GT24 module
- 1x Quick Guide

## At a glance:

- High quality IP to QAM modulation
- Up to 8 QAM channels on 2 RF outputs
- High density 48 QAM channels in 1 RU
- For measurement / monitoring test ports of the output signal
- DVB CSA Simulcrypt scrambling
- RTP/ IP input streaming with FEC error correction
- Advanced DVB transport stream processing
- QAM channels individually switchable on/off

Technical data	
<b>Gigabit Ethernet Schnittstelle</b>	
Data protocol	MPEG over UDP/IP and RTP/IP
Communication protocol	Unicast and multicast IGMP V2 (optional V3)
Syntax	SPTS and MPTS (ISO/IEC 13818)
Maximum data input bitrate using several MPTS signals	<800 Mbps (using several MPTS signals)
Maximum MPTS input bitrate	<100 Mbps
	1024 pcs.
Jitter tolerance	±100 ms
<b>TS Processing</b>	
SPTS/MPTS Multiplexing inc.	Yes
PID-Remapping	PID-Remapping
MPTS Pass-Through	Yes
SI-Table handling	Yes
Individual Cycle Times for Outgoing PSI-SI-Tables	Yes
Constellations	
Symbol rate	4,45...7,00 MS/s
Roll-Off	% 12%, 13%, 15%, 18%
MER	>45 dB (typ. 46 dB)
BER	≤1*10 <sup>-10</sup>
Spectrum flatness	±0,3 dB
Shoulder attenuation	≥55 dB
	2 pcs.
Output frequency range	45...862 MHz (Optional: 1006 MHz)
Output frequency window	32 MHz
Output frequency steps	1 kHz
Output channel band width	6/7/8 MHz
Output level (each RF port)	119 dB <sub>1/4</sub> V (1 ch), 115 dB <sub>1/4</sub> V (2 ch), 113 dB <sub>1/4</sub> V (3 ch), 111 dB <sub>1/4</sub> V (4 ch)
Output test jack	-20 dB (± 1 dB)
Output level stability	±1 dB
Output return loss	≥14 dB (45 MHz -1,5 dB/Okt.)
Output level setting range	0...30 dB (0,5 dB-steps)
	>60 dB
Spurious suppression	45...450 MHz, typ. 66 dB, 450...862 MHz, typ. 64 dB, 862...1006 MHz, typ. 64 dB
<b>Connectors</b>	
RJ45	1 pcs.
F-socket HF- output	4 pcs.
<b>General data</b>	
Power consumption	<19,2 W (max.)
Dimensions (width x height x depth)	100x200 mm
Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.2)

Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100x20x220 mm
Gross weight sales unit	0,250 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,681 dm <sup>3</sup>
Gross weight shipping unit	0,460 kg
EAN	4010056711771
Article number	71177
Customs tariff number	85437090
Country of origin	GER