

WISI GT 23 W

Tangram module IP to 8x QAM



ELPAS



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
- DVB/ARIB transport stream processing
- QAM channels individually switchable on/off

Technical data

Gigabit Ethernet Schnittstelle

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 (per specific MPTS)
Maximum number of PIDs	1044 pcs. (per module)
filter number	up to 32 (multicast/unicast-filter)
Jitter tolerance	±100 ms

TS Processing

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

QAM processing

Constellations	32-, 64-, 128-, 256-QAM
Symbol rate	4,45...7,00 MS/s
Roll-Off	% 12%, 13%, 15%, 18%
MER	>45 dB (typ. 46 dB)
BER	≤1*10 ⁻¹⁰
Spectrum flatness	±0,3 dB
Shoulder attenuation	≥55 dB

RF parameters

output interface	2 pcs.
channels per connection	up to 4
Output frequency range	45...862 MHz (Optional: 1006 MHz)
Output frequency window	32 MHz (per port)
Output frequency steps	1 kHz

Modulation QAM

Output channel band width	6/7/8 MHz
Output level (each RF port)	119 dBμV (1 ch), 115 dBμV (2 ch), 113 dBμV (3 ch), 111 dBμV (4 ch)
Output test point	-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)
signal-to-noise ratio in channel	>60 dB
Spurious suppression	45...450 MHz, typ. 66 dB, 450...862 MHz, typ. 64 dB, 862...1006 MHz, typ. 64 dB

Connectors

RJ45	1 pcs.
F-socket HF- output	4 pcs.

General data

Power consumption	<19,2 W (max.)
Dimensions (width x height x depth)	100x200 mm

Technical data

Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.1)
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Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	325 x 150 x 55 mm
Packaging volume sales unit	dm ³
Gross weight sales unit	0.460 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,681 dm ³
Gross weight shipping unit	0,460 kg
EAN	4010056711771
Article number	71177
Customs tariff number	8543709000