

WISI GT 31 W

Tangram Frontend DVB-S/S2/C/T/T2



Description

The GT 31 W module is part of the Tangram product portfolio. The GT 31 W module allows you to add up to 4 DVB- transport streams 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.

Scope of delivery

- 1x GT31 module
- 1x Quick Guide

At a glance:

- Multi transport stream reception for DVB signals
- Up to 4 DVB-S/S2/C/T/T2 RF inputs
- Advanced DVB transport stream processing
- RTP/ IP FEC output stream protection
- High density reception 24 transponder in 1 RU
- Demultiplex MPEG-2/MPEG-4 signals for SPTS transmission
- SPTS and MPTS streaming (CBR or VBR)
- UDP and RTP MPEG transport stream over IP protocol

Technical data

Modulation type	DVB-S/S2
Frequency range	950...2150 MHz
Level range	45...90 dB μ V
Symbol rate	1...45 MS/s (<100 Mbit)
FEC inner DVB-S2	LDPC 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Return loss	>12 dB
DiSEqC	DiSEqC 1.0
LNB electrical power supply	0.4 A

Modulation type	DVB-T/T2
Frequency range	43...862 MHz
Level range	39...79 dB μ V
COFDM-Spectrum DVB-T	2 k und 8 k FFT
Guard Interval	1/32, 1/16, 1/8, 1/4
FEC inner code DVB-T T2	Conv., K=7, G=1/2, 2/3, 3/4, 4/5, 5/6, 7/8
	6, 7, 8 MHz

Return loss	>18 dB @ 47 MHz, >12 dB @ 862 MHz
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Modulation type	DVB-C
Frequency range	43...862 MHz
Level range	49...90 dB μ V (QAM256)
Symbol rate DVB-C	1...7.2 Mbaud
QAM-Modulationsart	16-, 32-, 64-, 128-, 256-QAM
Return loss	>18 dB @ 47 MHz, >12 dB @ 862 MHz
Compliance	EN300421, EN302307, EN300744, EN302755, EN300429, Nordig unified ver 2.2.1, D-book 7.0

Control Ethernet port (management only)

Capability	100BASE-TX
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Backplane

Protocols	MPEG over RPT/UDP
Communication protocol	UDP/RTP Unicast and Multicast, IGMP v2 and v3
	≤ 400

PID-Filters	The GT 31 supports blocking elementary pids in MPTS output. The GT 31 supports remapping of pid numbers
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Bitrate mode	CBR(optional VBR)
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Remux	GT 31 can output up to 32 SPTS/MPTS simultaneously. Each SPTS/MPTS can be de-/ remuxed from all inputs
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Connectors

RJ45	1 pcs. 4 pcs.
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General data

Power consumption	<25 W (max.)
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Technical data

Dimensions (width x height x depth)	256x114x2 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	kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,700 dm ³
Gross weight shipping unit	0,360 kg
EAN	4010056732912
Article number	73291
Customs tariff number	85437090
Country of origin	GER