

# WISI GT 34

8x/16x DVB-S/S2 - IP Gateway



**ELPAS**



## Description

The GT 34 module is part of the Tangram product portfolio. The GT 34 module allows you to receive up to 16 DVB-S/S2 satellite transponders and convert the streams to IP multicast or unicast transport streams. Tangram is a very high density and highly flexible solution for all kind of networks. The WISI Tangram chassis uses a fully redundant concept.

## Scope of delivery

- 1x GT 34
- 1x Quick Guide

## At a glance:

- DVB-S/S2 – IP gateway for IPTV, CATV and multiscreen solutions
- Reception of up to 16x DVB-S/S2 satellite transponders via 4 RF-inputs
- For saving cabling costs integrated SAT multiswitch
- Professional DVB transport stream processing
- SPTS and MPTS streaming (CBR or VBR)
- UDP and RTP MPEG transport stream over IP protocol
- High-density reception of 96 transponders in 1 RU

## Technical data

### RF-Inputs DVB-S/S2

Number of tuner	16 pcs. (8 tuner reception enabled by hardware, additional 8 tuner will be enabled by GTOS2 software option)
Modulation type	DVB-S/S2
Frequency range	950...2150 MHz
Level range	62...100 dBμV, -46...-8 dBm
Symbol rate	1...45 Mbaud (<100 Mbit)
FEC inner DVB-S	1/2, 2/3, 3/4, 5/6, 7/8
FEC inner DVB-S2	LDPC 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Return loss	>10 dB
DiSEqC	DiSEqC 1.0
LNB electrical power supply	0.4 A (max. 13/18 V)

### Streaming-In-/Output

IP-Inputs	0 pcs.
IP-Outputs	64 o. 128 pcs. (128 with GTSTRX software option)
IP-Compliance	ISO/IEC 13818
IP-Input bitrate	-
IP-Output bitrate	Max. 425 Mbit/s per IPTS, Max. 850 Mbit/s total
IP-Input protocol	-
IP-Output protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-TS-Input format	-
IP-TS-Output format	SPTS CBR/VBR, MPTS CBR
IP-FEC Inputs	-
IP-FEC Outputs	32 pcs. (with GTFEC Software option)
IP-FEC compliance	-
IP-Packet format	MPEG over UDP/IP and RTP/IP
IP-Packet size	188 Byte
IP-PCR restamping	Yes

### Processing

Service remultiplexing	Yes, with GTMUX Software option
PID filtering and remapping	Yes
PCR correction and de-jitter	Yes
Advanced PSI/SI regeneration	Yes
NIT generation	No
Encryption	-
Encryption throughput	-
Decryption	No
Decryption throughput	-
Compliance	ETSI EN 300 468
Processing bitrate	Max. 1200 Mbps total
Number of PIDs	Max. 2000 PIDs total

### Connectors

RJ45	1 pcs.
F connector RF input	4 pcs.

## Technical data

### General data

Power consumption max.	max. ≤25 W
Operating temperature range	-5°C...+45°C, 23°F...113°F, (ETSI EN 300 019-1-3 Class 3.1)
Max. humidity, non condensing	95 %
Electro Magnetic Compatibility (EMC)	DIN EN 55022:2008-05
Safety standards	-
Signalling	Multicolor LEDs (Power on - green, Error - red)
Operation Mode	-
Hardware revision	1000
Software version	3.0
Tuner	73
Weight	kg

### Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100 x 20 x 220 mm
Packaging volume sales unit	0,44 dm <sup>3</sup>
Gross weight sales unit	0,36 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170 x 70 x 340 mm
Packaging volume shipping package	4,4 dm <sup>3</sup>
Gross weight shipping unit	0,36 kg
EAN	4010056749927
Article number	74992
Customs tariff number	85437090