

WISI GT 42 W

Universal decryption module



Description

The GT 42 module is part of the Tangram product portfolio. The GT 42 W CI module is designed as descrambler to be optionally combined with other Tangram modules. All Common Interfaces can be cascaded to reduce costs by using standard CAMs. 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 GT42 module
- 1x Quick Guide

At a glance:

- 4 Common Interface (DVB-CI) slots per module
- CAM watchdog - auto reset on descrambling failures
- Support for all major CA systems and CAMs
- DVB/ARIB transport stream processing
- SPTS and MPTS streaming (CBR or VBR)
- Demultiplex MPEG-2/MPEG-4 signals for SPTS transmission
- High density descrambling 24 CA modules per 1RU chassis
- FEC output support - IP error protection

Technical data

Streaming-In-/Output

IP-Inputs	32 or 64 or 128 pcs. (128 with GTSTRX Software option)
IP-Outputs	64 or 128 pcs. (128 with GTSTRX Software option)
IP-Compliance	ISO/IEC 13818
IP-Input bitrate	Max. 110 Mbit/s per IPTS, Max. 400 Mbit/s total
IP-Output bitrate	Max. 100 Mbps per IPTS, Max. 400 Mbps total
IP-Input protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-Output protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-TS-Input format	SPTS CBR/VBR, MPTS CBR
IP-TS-Output format	SPTS CBR/VBR, MPTS CBR
IP-FEC inputs	32 or 128 pcs. (with GTFEC Software option)
IP-FEC Outputs	32 pcs. (with GTFEC Software option)
IP-FEC compliance	SMPTE 2022-1, SMPTE 2022-2
IP-Packet format	MPEG over UDP/IP and RTP/IP
IP-Packet size	188 Byte
IP-PCR restamping	Yes
IP-Dejittering	Yes, per default 100ms, individual adjustable

Processing

Service remultiplexing	Yes, with GTMUX Software option
Service remultiplexing before decryption	Yes, with GTMUX Software option
PID filtering and remapping	Yes
PCR correction and de-jitter	Yes
Advanced PSI/SI regeneration	Yes
Encryption	-
Encryption throughput	-
Decryption	Yes, with CAM and Smart Card
Decryption throughput	Depending of the CAM, max. 850 Mbps total
Compliance	ETSI EN 300 468
Processing bitrate	Max. 1200 Mbps total
Number of PIDs	Max. 4000 PIDs total

Connectors

RJ45	1 pcs.
Common Interface	4 pcs.

General data

Power consumption max.	max. <10 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)	EN 50083-2
Safety compliance	UL/CSA/CAN 60950-1

Technical data

Signalling	Multicolor LEDs (Power on - green, Error - red)
Operation Mode	-
Hardware revision	1201
Software version	3.0.1
Tuner	- pcs.

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100x20x220 mm
Packaging volume sales unit	dm ³
Gross weight sales unit	0.380 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,681 dm ³
Gross weight shipping unit	0,380 kg
EAN	4010056735388
Article number	73538
Customs tariff number	85437090