

WISI GT 41

IP Processing Module



Description

The GT41 module is part of the TANGRAM product portfolio. GT41 is a universal IP processing module for multiplexing/remultiplexing MPTS <-> SPTS streams and scrambling of content. 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 GT41 module
- 1x Quick Guide

At a glance:

- MPTS <-> SPTS IP Gateway
- DVB Scrambling for IPTV out
- DVB/ARIB transport stream processing
- Supports MPEG-2 H.262 and MPEG-4 H.264 scrambling (SD & HD)
- SPTS/MPTS Streaming and Reception via IP (CBR or VBR)
- Dedicated Ethernet interface for CAS connection
- DVB CSA Simulcrypt scrambling
- High flexibility scrambling on PID Level

Technical data

Streaming-In-/Output

IP-Inputs	32 or 64 or 128 pcs. (128 with GTSTRX Software option)
IP-Outputs	32 or 64 or 128 pcs. (128 with GTSTRX Software option)
IP-Compliance	ISO/IEC 13818
IP-Input bitrate	Max. 425 Mbit/s per IPTS, Max. 850 Mbit/s total
IP-Output bitrate	Max. 425 Mbit/s per IPTS, Max. 850 Mbit/s 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 64 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
PID filtering and remapping	Yes
PCR correction and de-jitter	Yes
Advanced PSI/SI regeneration	Yes
Encryption	Yes, DVB-CSA, AES, Samsung LYNK, Pro:Idiom
Encryption throughput	Max. 850 Mbps total
Decryption	Yes, BISS
Bulk decryption	-
Decryption throughput	max. 850 Mbps total
Compliance	ETSI EN 300 468
Processing bitrate	Max. 1700 Mbps total
Number of PIDs	Max. 4000 PIDs total

Connectors

RJ45	1 pcs.
F connector RF input	0 pcs.

General data

Power consumption max.	<5 W (max.)
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
Signalling	Multicolor LEDs (Power on - green, Error - red)

Technical data

Operation Mode	Scrambling, Descrambling, Pro:Idiom
Hardware revision	1001
Software version	3.0.1
Tuner	- pcs.

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100 x 20 x 220 mm
Packaging volume sales unit	0,44 dm ³
Gross weight sales unit	0.320 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170 x 70 x 340 mm
Packaging volume shipping package	4,0 dm ³
Gross weight shipping unit	0,380 kg
EAN	4010056712303
Article number	71230
Customs tariff number	85437090