

WISI GT 32 W

High-density ASI input/output module



Description

The GT 32 W module is part of the TANGRAM product portfolio. The GT32W module allows you to add up to 4 ASI streams input or output per module to your network. TANGRAM is a very high density dhighly flexible solution for all kinds of networks. The WISI Tangram chassis uses a fully redundant concept.

Scope of delivery

- 1x GT32 module
- 1x Quick Guide

At a glance:

- 4x ASI input or output, each BNC port configurable as input or output
- PID remapping and filtering
- RTP/ IP input streaming with FEC error correction
- DVB/ARIB transport stream processing
- Demultiplexing from MPTS to SPTS
- High density 24 ASI in or out in 1 RU
- Supports IP input and output streaming (CBR or VBR)
- Supports 188 byte and 204 byte packet size

Technical data

ASI input / output	
ASI-Inputs	4 pcs. (max.)
ASI-Outputs	4 pcs. (max.)
ASI-Impedance	75 Ω
ASI-Frequency range	< 270 MHz
ASI-Return loss	> 17 dB (27...270 MHz)
ASI-Compliance	EN 50083-9:2002
ASI-Packet size Input/Output	188, 204/188 Byte
ASI-PCR restamping	Yes
ASI-Input/Output max. payload bit rate	Typ. 200 Mbit/s

Streaming-In-/Output

IP-Inputs	64 or 128 pcs. (128 with GTSTRX License)
IP-Outputs	64 or 128 pcs. (128 with GTSTRX License)
IP-Standard	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 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	Yes, with GTFEC License
IP-FEC Outputs	Yes, with GTFEC License
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

Processing

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

Connectors

RJ45	1 pcs.
BNC-socket	4 pcs. Individually configurable for in/out via UI

General data

Power consumption max.	≤ 10 W
Operating temperature range	-5°C...+45°C, 23°F...113°F, (ETSI EN 300 019-1-3 Class 3.1)

Technical data

Max. humidity (non-condensing)	95 %
Electro Magnetic Compatibility (EMC)	EN 50083-2, FCC CFR 47 Part 15 (Class A)
Safety compliance	CE, UL/CSA/CAN 62368-1
Signalling	Multicolour LEDs
Operation Mode	-
Hardware revision	1102
Software version	3.2
Tuner	-

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	325 x 150 x 55 mm
Packaging volume sales unit	2,68 dm ³
Gross weight sales unit	0.360 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	4,0 dm ³
Gross weight shipping unit	0.36 kg
EAN	4010056730161
Article number	73016
Customs tariff number	85176200