

# Frontend ASI ↔ IP Gateway

## TANGRAM GT32W

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The GT32W 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 and highly flexible solution for all kinds of networks. The WISI Tangram chassis uses a fully redundant concept.

## High-density ASI input/output module

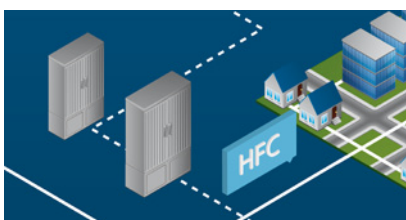
The DVB-ASI input/output module for Tangram platform enables flexible receiving and multiplexing of SPTS and MPTS streams.

### Features

- 4X ASI INPUT OR OUTPUT, EACH BNC PORT CONFIGURABLE AS INPUT OR OUTPUT
- SUPPORT OF FEC IN
- DEMULTIPLEXING
- PID REMAPPING AND FILTERING



### Solutions with TANGRAM



#### HFC

From the Headend to the wall-outlet: Everything for the cable network.



#### RF OVERLAY

Solutions for video services in GPON and Active Ethernet networks.



#### CHANNEL PROCESSING

Headends for residential, regional and national networks.

### Technical Information

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

IP Streaming	
Max. SPTS/MPTS input Streams per module	16
Max. SPTS/MPTS output Streams per module	32
Max. streaming capacity per module	<700 Mbit/s
Communication protocol	Unicast and Multicast, SPTS and MPTS
Packet Format	MPEG over RPT/UDP
Packet Size	188byte
Time stamp & de-jitter	Yes
Remultiplexing	Yes
PID remapping and filtering	Yes

General Data	
Signalling	Multicolour LEDs
RF connectors	4x BNC ports, individually configurable for in/out via UI
Front Ethernet connector	RJ45 (only for local management)
Power Consumption	≤ 10 W
Operating temperature range	-5°C to +45 °C (ETSI EN 300 019-1-3 Class 3.1)

Related SW options	
GTM1	Service Level Agreement extension 1 year
GTM3	Service Level Agreement extension 3 years
GTFEC	Enabling IP streaming with FEC in per module
GTMUX	Enabling selection of services from several input sources to an output

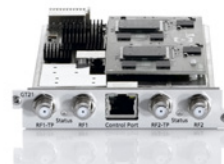
### Related Hardware



#### TANGRAM chassis

**GT01:** 19inch, 1 HU subrack with embedded GigE switch, embedded fans and PSU, and redundant PSU as option.

For more information about GT01, and GTx modules, please contact WISI sales, or visit our web site [www.wisi.de](http://www.wisi.de).



#### TANGRAM modules

**GT21:** EdgePAL

**GT22:** EdgeFM

**GT23:** EdgeQAM

**GT24:** EdgeCOFDM

**GT31:** DVB-S/S2/C/T/T2 Reception

**GT42:** Descrambler

