

# 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       | <850 Mbit/s                          |
| Communication protocol                   | Unicast and Multicast, SPTS and MPTS |
| Packet Format                            | MPEG over RPT/UDP                    |
| Packet Size                              | 188byte                              |

| 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  |

| Related SW options |  |
|--------------------|--|
| GTM1               | Service Level Agreement extension 1 year                               |
| GTM3               | Service Level Agreement extension 3 years                              |
| GT FEC             | 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 module
- GT24:** EdgeCOFDM module
- GT31:** DVB-S/S2/C/T/T2 Reception
- GT42:** Descrambler

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