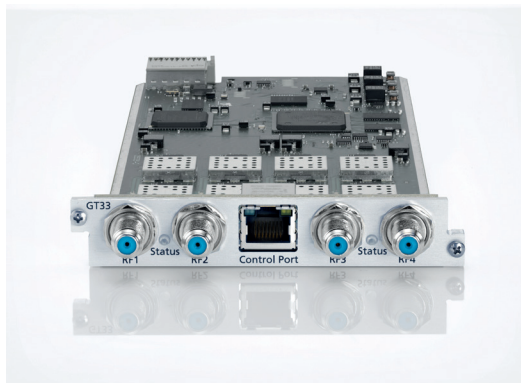


WISI GT 33

Tangram 8VSB - ATSC/QAM J.83 B IP Gateway



Description

The GT 33 module is part of the TANGRAM product portfolio. The GT 33 module allows you to add up to 8 8VSB - ATSC/QAM J.83 B transport streams with 4 RF connectors 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.

Scope of delivery

- 1x GT33 module
- 1x Quick Guide

At a glance:

- Multi transport stream reception for ATSC and QAM signals
- 8x 8VSB-ATSC/QAM J.83 B tuners with 4 RF inputs
- RTP/ IP FEC output stream protection
- High density reception 48 transponder in 1 RU
- Demultiplex MPEG-2/MPEG-4 signals for SPTS transmission
- SPTS and MPTS streaming (CBR or VBR)
- UDP and RTP MPEG transport stream over IP protocol

Technical data

RF-Inputs ATSC 8 VSB

Number of tuner	8 pcs.
Modulation type	8VSB
Frequency range	47...862 MHz
Level range	45...90 dB μ V, -64...-49 dBm
Return loss	>13 dB

RF-Inputs DVB-C

Number of tuner	8 pcs.
Modulation type	J.83 Annex B
Frequency range	47...862 MHz
Level range	45...90 dB μ V, -64...-49 dBm
QAM-Modulationsart	64-, 256-QAM
Return loss	>18 dB @ 47 MHz, >12 dB @ 862 MHz

Compliance	EN300421, EN302307, EN300744, EN302755, EN300429, Nordig unified ver 2.2.1, D-book 7.0
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Streaming-In-/Output

IP-Inputs	0 pcs.
IP-Outputs	64 o. 128 pcs.
IP-Compliance	ISO/IEC 13818
IP-Input bitrate	-
IP-Output bitrate	Max. 425 Mbit/s per IPTS, Max. 850 Mbit/s total
IP-Input protocol	-
IP-Output protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-TS-Input format	-
IP-TS-Output format	SPTS CBR/VBR, MPTS CBR
IP-FEC Inputs	-
IP-FEC Outputs	32, 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
Basic PSIP regeneration	-
Encryption	Yes, DVB-CSA, AES, Samsung LYNK
Encryption throughput	Max. 600 Mbps total
Decryption	Yes, BISS (GTBISS)
Decryption throughput	Max. 300 Mbps total
Compliance	ETSI EN 300 468
Processing bitrate	Max. 1200 Mbps total
Number of PIDs	Max. 4000 PIDs total

Connectors

RJ45	1 pcs.
F connector RF input	4 pcs.

Technical data

General data

Power consumption max.	<12 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, FCC CFR 47 Part 15 (Class A)
Safety compliance	CE, UL/CSA/CAN 62368-1
Signalling	Multicolor LEDs (Power on - green, Error - red)
Operation Mode	-
Hardware revision	1001
Software version	3.1
Tuner	-

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	0.360 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	0.36 kg
EAN	4010056746261
Article number	74626
Customs tariff number	85176200