

WISI GT 26

Tangram module IP to 4x ISDB-T



Description

The GT26 module is part of the Tangram product portfolio. The GT26 module allows you to add up to 4 channels in ISDB-T format 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 (n+1, 1+1).

Scope of delivery

- 1x GT26 module
- 1x Quick Guide

At a glance:

- High quality IP to ISDB-T modulation
- Up to 4 ISDB-T channels on 2 RF outputs
- For measurement / monitoring test ports of the output signal
- Outstanding signal parameters by direct digital modulation
- RTP/ IP input streaming with FEC error correction
- DVB/ARIB transport stream processing
- Output detection for alarming and redundancy switching
- Up to 24 ISDB-T channels in 1 RU

Technical data	
Streaming-Input	
IP-Compliance	ISO/IEC 13818
IP-Inputs	32 pcs. MPTS or SPTS
IP-FEC Inputs	Yes, with GTFEC License
IP-Input bitrate	Max. 100 Mbps per IPTS, Max. 850 Mbps total
IP-Input protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-TS-Input format	VBR and CBR
IP-Packet format	MPEG over UDP/IP and RTP/IP
IP-Packet size	188 Byte
IP-PCR restamping	Yes
Processing	
Multiplexing	Yes, with GTMUX or GTSYMUX Software option
PID filtering and remapping	Yes
ISDB-T-Output	
Program scheduling	Yes
Output modulation standard	ARIB STD-B31, Layer A
Output spectrum (mode)	Mode1 (2k), Mode2 (2k), Mode3 (8k)
Total carriers	1405, 2809, 5617
Output modulation type	ISDB-T
Output hierarchy	Layer A
Number of segments	13
Output S/N	>45 dB
Output MER	>41 dB typ. 43 dB
Output BER	<1 * 10 ⁻¹⁰
Output FEC	1/2, 2/3, 3/4, 5/6, 7/8
Output guard intervall	1/4, 1/8, 1/16, 1/32
Output spectrum flatness	±0,3 dB
Output shoulder attenuation	>54 dB
RF parameters	
Output ports	2 pcs. without Test ports
Channels per port	2 pcs.
Output impedance	75 Ω
Output frequency range	45...862 MHz
Output frequency steps	1 kHz
Output frequency stability	±10 kHz
Channel bandwidth	6 MHz
Output level	115 dBμV
Test port at each output	- 20 dB ±1 dB
Output level stability	±1 dB
Output return loss	>14 dB (45 MHz -1,5 dB/Okt.)
Output level setting range	0...30 dB (0,5 dB steps)
Output level detection	for alarm monitoring and redundancy switching
Spurious (inside TV-Channels)	>60 dB
Spurious (outside TV-Channels)	dB 45...450 MHz typ. 66 dB min. 62 dB, 450...862 MHz typ. 64 dB min. 60 dB,
Connectors	
F-socket RF- output	4 pcs. (2x F-connector, 2x F-connector Test port)

Technical data	
RJ45	1 pcs. (100BaseTX, for local management)
General data	
Power consumption max.	<20,4 W
Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.1)
Electro Magnetic Compatibility (EMC)	EN 50083-2
Max. humidity (non condensing)	95 %
Signalling	Multicolor LEDs (Power on - green, Error - red)

Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100x20x220 mm
Packaging volume sales unit	dm ³
Gross weight sales unit	0.480 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,681 dm ³
Gross weight shipping unit	0,460 kg
EAN	4010056737726
Article number	73772
Customs tariff number	85176200