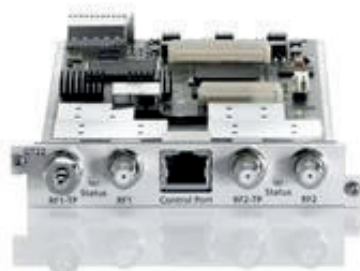


WISI GT 22 C

Tangram module IP to 8x FM



Description

The GT 22 C module is part of the Tangram product portfolio. The GT 22 C module allows you up to 8 services in FM format 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 GT22 module
- 1x Quick Guide

At a glance:

- High quality IP to analogue FM modulation
- Up to 8 FM channels on 1 RF output
- Advanced MPEG decoding
- Outstanding signal parameters by direct digital modulation
- High density 48 FM channels in 1 RU
- RTP/ IP input streaming with FEC error correction
- RDS extraction and insertion
- For measurement / monitoring test ports of the output signal

Technical data

Gigabit Ethernet Schnittstelle

Data protocol	MPEG over UDP/IP and RTP/IP
Communication protocol	Unicast and multicast IGMP V2 (optional V3)
Syntax	SPTS and MPTS (ISO/IEC 13818)
Maximum data input bitrate using several MPTS signals	>800 Mbps (using several MPTS signals)
Maximum MPTS input bitrate	>150 Mbps (while selecting specific MPTS)
	360 pcs.

Audio reference level

Jitter tolerance ± 100 ms

Audio and RDS Processing

audio decoding	ISO 13818-3, MPEG-1 (L1/L2) (Musicam), MPEG-2 (L1/L2)
	ISO 639
Audio format	Mono/Stereo/Joint-Stereo
RDS Insertion	UECP SPB490 (dynamic and static)
Pilot tone frequency	19 kHz (± 2 kHz)
Pilot tone phase stability	$< \pm 3^\circ$
Pilot tone level	6,75 kHz ($\pm 0,75$ kHz)
RDS carrier frequency	57 kHz (± 6 Hz)
RDS carrier level	2,5 kHz ($\pm 0,25$ kHz)
RDS carrier phase stability	$< \pm 10^\circ$
38 kHz supression	≥ 42 dB
Audio level range	± 6 dB
Audio level step size	1 dB
Amplitude response	$\leq \pm 0,5$ dB (40 Hz...15 kHz)
15 kHz low pass filter	> 40 dB (> 19 kHz)
Total harmonic distortion	$< 0,2$ % (75 kHz dev.)
S/N ratio (unweighted)	> 60 dB (75 kHz dev.), (weighted ITU-R BS 468,4) > 60 dB (75 kHz dev.)
L/R channel level difference	< 1 dB (40 Hz...15 kHz)
L/R phase difference	< 10 dB (40 Hz...15 kHz)
L/R separation	> 43 dB (300 Hz...4 kHz)
Preemphasis characteristics	50 μ s (± 2 1/4s)

RF Parameters

	up to 8
Output frequency range	87,5...108 MHz
Output level (each RF port)	102 dB μ V
Output test jack	-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)
Spectral purity	> 66 dB
	< -120 dBm (pro Hz)

Connectors

RJ45	1 pcs.
F-socket HF- output	4 pcs.

General data

Operating voltage DC	12 V DC
Power consumption	$< 19,2$ W (max.)

Technical data

Dimensions (width x height x depth)	100x200 mm
Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.2)

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100x20x220 mm
Gross weight sales unit	0,250 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,681 dm ³
Gross weight shipping unit	0,420 kg
EAN	4010056729783
Article number	72978
Customs tariff number	85437090
Country of origin	GER