



GT 22 C



#### Packaging data

Sales unit	1 pcs.
Shipping unit	1 pcs.
Packaging volume shipping package	2,681 dm <sup>3</sup>
Gross Weight shipping unit	0,420 kg
EAN	4010056729783
Article number	72978
Customs tariff number	85437090

#### 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	< ±3 °
Pilot tone level	6,75 kHz (±0,75 kHz)
RDS carrier frequency	57 kHz (±6 Hz)
RDS carrier level	2,5 kHz (±0,25 kHz)
RDS carrier phase stability	< ±10 °
38 kHz suppression	≥42 dB
Audio level range	±6 dB
Audio level step size	1 dB
Amplitude response	≤ ±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 μs (±2 μs)
RF Parameter	
Output frequency range	up to 8 87,5...108 MHz
Output level (each RF port)	102 dBμV
Output test jack	-20 dB (± 1 dB) ±1 dB
Output return loss	≥14 dB (45 MHz, -1,5 dB/Okt.) 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.)
Dimensions (width x height x depth)	100x200 mm
Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.2)

#### Title

GT 22 C

#### Short description

Tangram module IP to 8x FM

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Tangram module IP to 8x FM



## Long text

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).

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