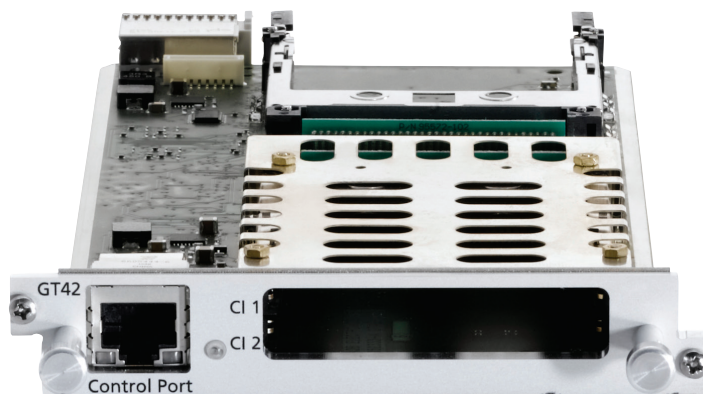


WISI Tangram Quad CI (Conditional Interface) Card 14MM-GT42W

The GT42W module is part of the Tangram product portfolio. The GT42W CI module is designed as a descrambler to combine with other Tangram modules. GT42W can cascade all common interfaces to reduce costs by using standard CAMs. 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).

Features and Benefits

- » Four standard DVB-CI interface slots per module
- » CAM watchdog - auto reset on descrambling failures
- » Fully redundant concept (1+1, n+1)
- » Support for all significant CA systems and CAMs
- » Demultiplex MPEG-2/MPEG-4 signals for SPTS transmission
- » High density descrambling 24 CA modules per 1RU chassis



WISI Tangram Quad CI (Conditional Interface) Card
14MM-GT42W



Streaming-In-/Output	
IP-Inputs	32 or 128 pcs. (128 with GTSTRX Software option)
IP-Outputs	64 or 128 pcs. (128 with GTSTRX Software option)
IP-Compliance	ISO/IEC 13818
IP-Input Bitrate	Max. 110 Mbit/s per IPTS, Max. 400 Mbit/s total
IP-Output Bitrate	Max. 100 Mbps per IPTS, Max. 400 Mbps total
IP-Input Protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-Output Protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-TS-Input Format	SPTS CBR/VBR, MPTS CBR
IP-TS-Output Format	SPTS CBR/VBR, MPTS CBR
IP-FEC Inputs	32 or 128 pcs.(with GTFEC Software option)
IP-FEC Outputs	32 pcs. (with GTFEC Software option)
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
IP-Dejittering	Yes, per default 100ms, individual adjustable
Processing	
Service Remultiplexing	Yes, with GTMUX Software option
Service Remultiplexing before Decryption	Yes, with GTMUX Software option
PID Filtering and Remapping	Yes
PCR Correction and De-jitter	Yes
Advanced PSI/SI Regeneration	Yes
Decryption	Yes, with CAM and Smart Card
Decryption Throughput	Depending of the CAM, max.850 Mbps total
Compliance	ETSI EN 300 468
Processing Bitrate	Max. 1200 Mbps total
Number of PIDs	Max. 4000 PIDs total
Connectors	
RJ45	1 pcs
Common Interface	4 pcs
General data	

Power Consumption Max	max. <10 W
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
Safety Compliance	UL/CSA/CAN 60950-1
Signalling	Multicolor LEDs (Power on - green, Error - red)
Hardware Revision	1201
Software Version	3.0.1
Dimensions (WxHxD)	100x20x220 mm
Gross Weight	0.380 kg