

MULTI-PROCESSING HEADENDS

COFDM SATELLITE TRANSMODULATORS

STT 8000 Series

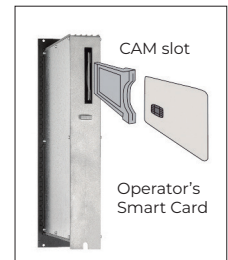
Digital-to-digital transmodulation of a satellite first IF band transponder (950–2150 MHz) modulated in QPSK or 8PSK to a COFDM-modulated channel in the 47–862 MHz band. The STT-CI model decrypts one or more services upon insertion of the CAM and Smart Card.

APPLICATION

Large and medium-sized installations where it is necessary to distribute digital satellite signals (in any format) via the terrestrial RF band (47 ÷ 862 MHz).

FEATURES

- Selection of services of interest within the transport frame.
- Channel occupancy indication.
- Assignment of LCN (channel number) to services to facilitate automatic tuning of STBs.
- Transport stream processing: table regeneration, date and time correction, programme name editing, etc.
- PID (Packet ID) filtering.
- SID (Service ID) editing.
- Regeneration of the NIT table at individual and installation level.
- Editing of names and network IDs.
- Software upgradeable via MCU / LPU.
- Allows services from two different inputs to be combined at each of the two outputs.



Food	V	5	12	17	30
STT-TWIN (CI) current consumption	mA	860	420	20	2
Total power without CAM	W	9.75 (STT-TWIN)			
Operating temperature	°C	0–45			

MODEL	STT-TWIN 8000	STT-TWIN MS 8000	STT-TWIN-CI 8000
Part number	08275	08289	08276

INPUT

Number of inputs		2 (loop or separate)	1	2 (loop or independent)
Frequency band	MHz	950 ÷ 2150		
Input level	dBµV	40–86		
Modulation type		QPSK - 8PSK		
Symbol rate	MB	1 ÷ 45		
Pass-through losses	dB	< 2		
LNB control		22 kHz 13/17 V or DiSEqC 1.2		
Multiple PLP selection		-	Yes	-

OUTPUT

Number of channels		Selectable 2 or 1	1	Selectable 2 or 1
Covered band	MHz	47 ÷ 862		
Modulation COFDM		2K; 8K		
Modulation parameters		DVB-T		
Output constellation		QPSK, 16 QAM, 64 QAM		
MER	dB	> 38		
Output level	dBµV	78	80	78
Output level control	dB	15		
CAM module (not included)		No	In accordance with standard EN 50221	
CAM module power consumption	mA	-	5V-250 mA	
Local programming		UCF 300 / PC (with MCU/LPU 8000)		
Packaging dimensions	mm	265 x 195 x 40		
Weight	kg	1.33		