

STT 8000 Series

Digital/digital transmodulation of a transponder on the 1st IF Satellite band (950 ÷ 2150 MHz) modulated in QPSK or 8PSK to a channel modulated in COFDM on the 47 ÷ 862 MHz band. De-encryption of one or more services when CAM+Smart Card are inserted (CI model).

APPLICATION

8000 Series XPSK/COFDM processing. It allows receiving Satellite TV programmes in the original format (SD, HD, Subtitling...) directly through DTT receivers embedded in SD, HD Ready and Full HD screens or through a standalone DTT receiver.

CHARACTERISTICS

- Selection of a DVB-S/S2 channel between 950 and 2150 MHz.
- Demodulation, detection and correction of the errors of the received signal.
- Output signal with MER in optimum quality level for signal distribution.
- LNB control 22 KHz 13/17 V or DiSEqC 1.2.
- Conversion of encrypted services into free services through the corresponding CAM (CI model).
- Selection of services of interest at the output, adapting the transport stream.
- Indication of the occupancy level of each service and the overall multiplex selected.
- Assignment of LCN (channel number) services to facilitate the automatic tuning of the STB.
- Processing of transport stream. Regeneration of tables, time, stamping correction, edition of programs...
- Regenerates the NIT table at individual and installation level.
- Edition of the name and network IDs.
- Software upgradeable with MCU / LPU.



Supply voltage	V	5	12	17	30
Current drawn STT / STT-CI	mA	720 / 850	375	20	2
Total power (CI)	W	9,5 (without CAM)			
Operating temperature range		0 ÷ 45° C			

MODEL		STT 8000	STT-CI 8000
Reference		08280	08281
INPUT			
Frequency band	MHz	950 ÷ 2150	
Input level	dBµV	40 ÷ 86	
Modulation type		QPSK - 8PSK	
Symbol rate	Mbaud	4 ÷ 45 DVB-S, 10÷ 30 DVB-S2	
LCN insertion		yes	
Through losses	dB	< 1,5	
LNB control		22 KHz 13/17 V or DiSEqC 1.2	
OUTPUT			
Frequency band	MHz	47 ÷ 862	
COFDM modulation type		2K; 8K	
Modulation parameters		DVB-T	
Output constellation		QPSK, 16 QAM, 64 QAM	
MER	dB	38	
Output level	dBµV	80	
Regulation of output level	dB	15	
CAM module (not included)		—	According to Norm DVB-CI EN 50221
CAM module current drawn		—	5V-250 mA (+1,25 W)
Programming		UCF 300 / PC (with MCU / LPU 8000)	
Packing dimensions	mm	265 x 195 x 40	
Weight	Kg	1,33	

HEADENDS