

STT 8000 Series

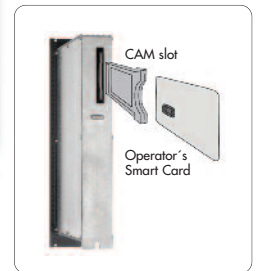
Digital/digital transmutation of a transponder on the 1st IF Satellite band (950 ÷ 2150 MHz) modulated in QPSK or 8PSK to a channel modulated in COFDM on the 47 ÷ 862 MHz band. De-encryption of one or more services when CAM+Smart Card are inserted (CI model).

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.

FEATURES

- Selection of services of interest at the output, adapting the transport stream.
- Output mux free capacity measurement in order not to exceed it.
- Opening of the scrambled services with the CI models. The Twin model allows opening services from both inputs.
- Transport Stream processing:
 - DVB-SI table regeneration: table version edition.
 - Nit table regeneration in the module and installation levels.
 - Transport Stream parameters edition: tsid, onid.
 - Service parameters edition: name and service identifier (SID).
 - Network parameters edition: name and network identifier (NID).
 - LCN (Logic Chanel Number) edition.
 - PID filtering, for eliminating the not interesting PID or fixing a PID Audio.
- Transport Stream frame correction and output MER regeneration.
- Upgradable software through control unit MCU/LPU.



Supply voltage	V	5	12	17	30
Current drawn STT (CI)	mA	720 (850)	375	20	2
Current drawn STT-TWIN (CI)	mA	860	420	20	2
Total Power without CAM	W	9,5 (STT) / 9.75 (STT-TWIN)			
Operating temperature range	°C	0 ÷ 45			

MODEL	STT-TWIN 8000	STT-TWIN-CI 8000	STT 8000	STT-CI 8000
Reference	08275	08276	08280	08281
INPUT				
Multiplex number	2 (loop or independent)		1	
Frequency band	MHz 950 ÷ 2150			
Input level	dBµV 40 ÷ 86			
Modulation type	QPSK - 8PSK			
Symbol rate	Mbaud 1 ÷ 45			
Through losses	dB < 2			
LNB control	22 KHz 13/17 V or DiSEqC 1.2			
OUTPUT				
Multiplex number	Selectable 2 or 1		1	
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	78		80	
Regulation of output level	dB 15			
CAM module (not included)	No	According to Norm DVB-CI EN 50221	No	According to Norm DVB-CI EN 50221
CAM module current drawn	—	5V-250 mA	—	5V-250 mA
Programming	UCF 300 / PC (with MCU/LPU 8000)			
Packing dimensions	mm 265 x 195 x 40			
Weight	Kg 1,33			