

TCT 8000 Series

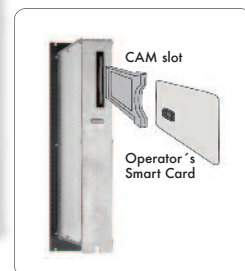
Module for processing a DVB-T multiplex, selection of services of interest with / without Conditional Access and conversion to a channel under DVB-C standard. It corrects the transport stream errors. De-encryption of one or more services when CAM and card are inserted (CI model).

APPLICATION

The main function of the TCT 8000 is to receive a DVB-T transponder, select certain services - including conditional access services, opening rights (TCT-CI model) - and modulating them into a DVB-C transponder to the desired frequency and with an optimal MER for distribution.

CHARACTERISTICS

- Selection of a DVB-T channel between 149 and 862 MHz.
- Demodulation, detection and correction of the errors of the received signal.
- Output signal with MER in optimum quality level for signal distribution.
- QAM signal modulation in the desired output channel.
- 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.
- 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	30
Current drawn TCT / TCT-CI	mA	580 / 710	340	2
Total Power (CI)	W	8 (without CAM)		
Operating temperature range		0 ÷ 45° C		

MODEL	TCT 8000	TCT-CI 8000
Reference	08260	08261
RF INPUT		
Frequency band	174 ÷ 862 ($\Delta = 166$ KHz)	
Input level	40 ÷ 90	
CONDITIONAL ACCESS	—	EN 50221 (DVB-CI)
TRANSPORT STREAM PROCESSING		
PCR correction	Yes	
PTS correction	Not processed	
Table processing	PAT, CAT, PMT, SDT, NIT, EIT, BAT, TDT/TOT	
LCN insertion	Yes	
OUTPUT QAM MODULATION		
Modulation parameters	DVB-C	
Symbol rate	Mbaud 1 ÷ 6,96	
Order QAM	16, 32, 64, 128, 256	
MER	dB 40	
Through losses	1,5	
RF OUTPUT		
Frequency band	MHz 50,5 ÷ 858 ($\Delta = 166$ KHz)	
Output level	dB μ V 65 ÷ 80 ($\Delta = 0,5$ dB μ V)	
Through losses	dB < 1,5	
Spurious in band	dBc < - 54	
CAM module current drawn (not included)	5V-250 mA (+ 1,25W)	
Programming	UCF 300 / PC (with MCU / LPU 8000)	
GENERAL		
Packing Dimensions	mm 265 x 195 x 40	
Weight	Kg 1,33	