



Modular reception system

DVB-S/S2 & DVB-T/T2/C to DVB-T transmodulators

Converting of DVB-S/S2 & DVB-T/T2/C modulated input signal into COFDM modulated DVB-T channel.

- TS processing:
 - PCR restamping (up to 5 PID's (services))
 - service filtering (up to 31 PID's)
 - PSI/SI regeneration
 - NIT generation
 - PMT version monitoring
- TS monitoring via Web interface
- Web control and SNMP agent
- loop through RF distributing at input and output
- DIN rail or wall mounting
- robust die-cast housing
- connectors:
 - RF input/output - type F
 - Ethernet control interface - RJ-45
 - CAM - PCMCIA
 - screw terminal block for DC entry
 - power distribution bus

tdx410C
DVB-S/S2 - DVB-T transmodulator
ttx410C
DVB-T/T2/C - DVB-T transmodulator



Technical specifications		tdx410C		ttx410C		
TYPE		tdx410C		ttx410C		
Ordering number		03826		03827		
RF input	frequency range	950-2150 MHz		47-862 MHz		
	LNB powering/control	0/14/18 V & 300 mA max. DiSEqC 1.0		12 V 100 mA		
	level/impedance	45-85 dBμV / 75 Ω		40-80 dBμV / 75 Ω		
	loop through gain	-1 ± 1 dB		0 ± 1 dB		
	standard	DVB-S	DVB-S2	DVB-T	DVB-T2	DVB-C
	modulation	QPSK	QPSK, 8PSK	QPSK, QAM16, QAM64	QPSK, QAM16, QAM64, QAM256	QAM16, QAM32, QAM64, QAM128, QAM256
	bandwidth	-	-	7 MHz/8 MHz	7 MHz/8 MHz	-
	symbol rate	2 ÷ 45 Ms/s	2 ÷ 45 Ms/s	-	-	1 ÷ 7.2 Ms/s
	code rate	1/2, 2/3, 3/4, 5/6, 7/8	QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 3/5, 2/3, 3/4, 4/5, 5/6	-
	roll of	35 %	20 %, 25 %, 35 %	-	-	15 %
RF output	frequency range	170-230/470-860 MHz				
	level/impedance	90 ± 2 dBμV/75 Ω				
	spurious level	< -60 dB				
	loop through frequency range/loss	47-862 MHz / ≤ 2.5 dB				
	MER	≥ 35 dB				
	modulation DVB-T	QPSK, QAM16, QAM64				
	channel bandwidth	7/8 MHz				
	guard interval	1/4, 1/8, 1/16, 1/32				
	code rate	1/2, 2/3, 3/4, 5/6, 7/8				
	transmission mode	2K / 8K				
output level adjustment range	0 ÷ -15.0 dB by 1 dB step					
Transport stream parameters	max. bit rate	31670 kbps				
	max. PID filter count**	31				
Management port	PCR restamping	up to 5 PID's (services)				
		standard IEE802.3 10/100 Base T				
Current consumption*		12 V 400 mA		12 V 450 mA		
Operating temperature range		0° ÷ +50° C				
Dimensions/Weight (packed)		36x198x112 mm/0.78 kg				

pr. software control

* without external DC feeding and CAM; with CAM ≈0.6 A (for ttx410C), ≈0.55 A (for tdx410C)

** number of PID that can be blocked or passed, for example: 1000; 1001...1030 PID's are blocked, other PID's are passed