

Transmodulator 8 SAT to 4 COFDM 14MM-TDX440

TERRA

The TDX440 is a transmodulator, it will convert up to 8 transponders from 2 satellites into 4 COFDM channels

Features and Benefits

- » Compact robust design
- » Intergrated 2x8 multiswitch allowing the TDX440 to look at 2 satellites independently and select streams from up to 8 transponders
- » The TDX440 allows SD and HD FTA streams to be selected and up to 4 DVBT mux's can be used.
- » The TDX440 can be monitored using SNMP and has web-based-control through the front LAN port
- » The TDX440 is the same modular design as all of the Terra DIN rail series



14MM-TDX440 Specifications

Sections input/output		8/2
RF input	frequency range*	950-2150 MHz
	LNB powering/control*	0/13/18 V & 22 kHz, 500 mA total, DiSEqC 1.0, EN50494, EN50607
	level/impedance	55-95 dB μ V / 75 Ω
	modulation	QPSK, 8PSK (DVB S/S2)
	symbol rate*	2 \div 45 Ms/s
	return loss	\geq 10 dB
	RF input count	2
RF output	loop through frequency range/loss	950-2150 MHz / \leq 1.5 dB
	DVB standard*	DVB-T
	frequency range*	170-230 MHz / 470-862 MHz
	channel allocation, adjacent	4
	level/impedance	90 \pm 2 dB μ V/75 Ω
	TS bit rate	< 31 Mbit/s
	MER	\geq 35 dB
	modulation*	QPSK, QAM16, QAM64
	channel bandwidth*	7 MHz / 8 MHz
	guard interval*	1/4, 1/8, 1/16, 1/32
	code rate*	1/2, 2/3, 3/4, 5/6, 7/8
return loss	\geq 10 dB	
transmission mode*	2K / 8K	
total output level adjustment*	0 \div -15.0 dB by 1 dB step	
RF output	loop through frequency range/loss	45-862 MHz / \leq 2.5 dB
Management port		standard IEE802.3 10/100 Base T
Current consumption**		12 V 0.8 A
Operating temperature range		0° \div +45°C
Dimensions/Weight (packed)		48.5x198x112 mm/0.9 kg

* software control

** without external DC feeding