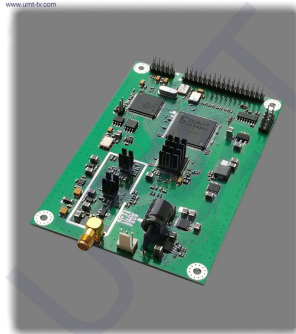# L-BAND DVB-S-S2-T MODULATOR BOARD

L-band DVB-S-S2-T modulator board is designed for DVB TS (transport stream) modulating, creating the L-band IF signal from parallel TS for further broadcasting in DVB-S, DVB-S2 or DVB-T standards.

L-band DVB-S-S2-T modulator board can be used in various converters, modulators, transmodulators and other digital broadcasting equipment.

The sources of input transport stream for this modulator board may be the followings:

- 2 ch DVB-S-S2 receiver;
- DVB IP input/output board;
- DVB ASI TS input board;
- *etc.*

KEY FEATURES:

- High quality of the modulated signal;
- Remote management, monitoring and configuration by IP (using our IP control board)
- High symbol rate;
- Modulation up to 32APSK;
- Small size and low power consumption;
- Flexibility of scheme and devices which include our DVB boards.

Video instructions about L-band DVB-S-S2-T modulator board watch here

Parameters	
Modulation type (by request)	DVB-S, DVB-S2, DVB-T
Input	
Input signal	parallel DVB transport stream
Type of input connector	PLD-34
Modulation parameters	
DVB-S mode	
Frequency range	950...2150 MHz
Constellation	QPSK
MER	>27 dB
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Symbolrate	1...45 MSym/s
DVB-S2 mode	

Frequency range	950...2150 MHz
Constellation	QPSK, 8PSK, 16APSK, 32APSK (by request)
MER	>27 dB
FEC	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Symbolrate	1 ... 45 MSymb/s (8PSK); 1 ... 38.7 MSymb/s (16APSK, 1 channel mode), 1 ... 43 MSymb/s (16APSK, 1 channel mode, by request); 1 ... 31 MSymb/s (32APSK, 1 channel mode), 1 ... 34.5 MSymb/s (32APSK, 1 channel mode, by request); in steps of 1 KSymb/s
Roll-Off-Factor	0.2, 0.25, 0.35
Pilots	on/off
DVB-T mode	
Frequency range	70...865 MHz
Constellation	QPSK, QAM16, QAM64
MER	>40 dB
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
IFFT Mode	2k, 4k, 8k
Bandwidth	5, 6, 7, 8 MHz
Output	
Output connector type	SMA
Output impedance	50 Ohm
Other	
Control Interface	TCP/IP
Supply voltage	8...18 V
Power consumption	~ 7 W
Board dimensions	130x82 mm