

2 CH DVB-S-S2 RECEIVER BOARD



2 ch DVB-S-S2 receiver board is designed to convert the DVB-S/S2 IF (intermediate frequency in the L-band obtained from the LNB) to parallel DVB TS (transport stream).

2 ch DVB-S-S2 receiver board can be used to design and build various converters, transmodulators and other digital broadcasting equipment together with other our boards:

- [L-band DVB-S-S2-T modulator](#);
- [DVB IP output board](#);
- DVB ASI TS output board;
- *etc.*

Thus 2 ch DVB-S-S2 receiver can be the part of:

- [DVB-S/S2 Modulator](#);
- [DVB-T/T2 Modulator](#);
- [DVB-C Modulator](#);
- [DVB-C Regenerator](#);
- [DVB-S/S2 Regenerator](#);
- [DVB-T/T2 Regenerator](#);
- DVB TS-to-ASI converter;
- DVB TS-to-IP or other compatible format converters.

Management, monitoring and configuration of 2 ch DVB-S-S2 receiver board is provided by TCP/IP using our [IP control board](#).

KEY FEATURES:

- all types of satellite signal modulations (DVB-S/S2) are supported;
- small size of the board;
- low power consumption.

[Video instructions about 2 ch DVB-S-S2 receiver board watch here](#)



Parameter	Value
Modulation types	DVB-S, DVB-S2
Modulation parameters DVB-S2 mode	
Modulation	QPSK, 8PSK (16APSK and 32APSK are supported in 1 channel mode)
FEC	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	1 ... 45 MSymb/s (<u>8PSK</u>);

Symbol rate	1 ... 38.7 MSymb/s (<u>16APSK</u> , 1 channel mode), 1 ... 43 MSymb/s (<u>16APSK</u> , 1 channel mode, <u>by request</u>); 1 ... 31 MSymb/s (<u>32APSK</u> , 1 channel mode), 1 ... 34.5 MSymb/s (<u>32APSK</u> , 1 channel mode, <u>by request</u>); in steps of 1 KSymb/s
Roll-Off-Factor	0.2, 0.25, 0.35
Modulation parameters DVB-S mode	
Modulation	QPSK
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Symbol rate	1 ... 45 MSymb/s, in steps of 1 KSymb
RF parameters	
Frequency range	950 ... 2150 MHz, in increments of 1 kHz
Input signal level range	-80 ... -20 dBm
Connector type	F-type
Impedance	75 Ohm
Output	
Signal type	parallel transport stream from DVB compatible modules
Connector type	PLD-34
General	
Control interfaces	RS232 (in-built)
	TCP / IP (optional with IP-UART control unit)
	Front panel (optional with Front panel unit)
Power supply	8 ... 18 V
Power consumption, max	5 W
Dimensions	148x82 mm

Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.

Note! All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.