



## Dvb-s/s2 fta receiver board



DVB-S/S2 FTA receiver board is designed for converting the satellite IF signal modulated according to DVB-S2 and DVB-S standards to parallel DVB transport stream.

DVB-S/S2 FTA receiver board can be used for designing a variety of converters, transmodulators and other digital broadcasting equipment. Receiver's output transport stream can be used as an input for:

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

Management, monitoring and configuration of DVB-S/S2 FTA receiver board is provided via RS232 interface directly or via TCP/IP with additional IP-UART control unit.

The main advantages of the module are: all types of satellite signal modulations (DVB-S/S2) support, small size and low power consumption.

Parameter	Value
Modulation type	DVB-S2, DVB-S
<b>Modulation parameters DVB-S2 mode:</b>	
Modulation	QPSK, 8PSK
FEC	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Symbol rate	1-45000 kSymb/s ( <u>8PSK</u> ); 1-38700 kSymb/s ( <u>16APSK</u> , 1 channel mode), 1-43000 kSymb/s ( <u>16APSK</u> , 1 channel mode, <u>by request</u> ); 1-31000 kSymb/s ( <u>32APSK</u> , 1 channel mode), 1-34500 kSymb/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
<b>Modulation parameters DVB-S mode:</b>	
Modulation	QPSK
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Symbol rate	1-45 Msps, in steps of 1 Ksymb
<b>RF parameters:</b>	
Frequency range	950-2150 MHz, in increments of 1 kHz
Input signal level range	-80 ... -20 dBm
Connector type	F-type

Impedance	75 Ohm
<b>Output:</b>	
Signal type	parallel transport stream from DVB compatible modules
Connector type	PLD-34
<b>General</b>	
Control interfaces	RS232 (inbuild)
	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	120x80 mm

*Taking into consideration that we (ROKS PrJSC) 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.*