

3 Specification

Board dimensions	100×80 mm
Board weight	<50 g
Voltage	7–24 V=
Power consumption	~6 W
TS Input	Raw TS input: Clock direction and Clock edge switchable Tuner TS input: DVB-S/C/T NIM Encoder input
RF Frequency range	10 MHz–1100 MHz in 1 kHz-steps

DVB-C	Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
	Modulation Error Rate (MER)	>45 dB @ 500 MHz
	Symbolrate	1000–7000 kSymbol/s in 1 kSymbol-steps
	RF_{out}	-27...0 dBm @ 50 Ω
DVB-T	Constellation	QPSK, 16QAM, 64QAM
	Modulation Error Rate (MER)	>42 dB @ 500 MHz
	Forward Error Correction (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
	Bandwith	5, 6, 7 and 8 MHz
	RF_{out}	-27...0 dBm @ 50 Ω
DVB-T2	Constellation	QPSK, 16QAM, 64QAM, 256QAM
	Modulation Error Rate (MER)	>42 dB @ 500 MHz
	TS Mode Adaption	Normal, High eff., Mode
	FEC Frame Size	Normal, Short
	Coderate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
	Data Constellation	QPSK, 16QAM, 64QMA, 256QAM
	L1-Post Constellation	BPSK, QPSK, 16QAM, 64QAM
	Constellation Rotate	Enabled, Disabled
	Carrier Mode	1k, 2k, 4k, 8k, 8k ext., 16k, 16k ext.
	Pilot S	PP2, PP3, PP8
	Guard Interval	1/4, 19/128, 1/8, 19/256, 1/16, 1/32, 1/128
	Bandwith	1.7, 5, 6, 7 and 8 MHz
	RF_{out}	-27...0 dBm @ 50 Ω