

Technical data:

The devices meet the EU directives 2011/65/EU, 2014/30/EU and 2014/35/EU.

The product fulfils the guidelines and standards for CE labelling.

Unless otherwise noted all values are specified as "typical".

Data input

MPTS streams	16
SPTS streams	128
IGMP	V2
Protocols:	UDP (User Data Protocol), RTP (Real-Time Transport Protocol)

RF input DVB-S2/S2X

Frequency range:	910 ... 2150 MHz
DVB-S modes:	QPSK 1/2 , 2/3 , 3/4 , 5/6 , 7/8
DVB-S2 modes:	QPSK 1/2 , 3/5 , 2/3 , 3/4 , 4/5 , 5/6 , 8/9 , 9/10 8PSK 3/5 , 2/3 , 3/4 , 5/6 , 8/9 , 9/10 16APSK 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK 3/4, 4/5, 5/6, 8/9, 9/10 QPSK, 8PSK, 8APSK-L, 16APSK-L, 32APSK-L
DVB-S2X modes:	QPSK: 1 ... 45 MSymb/s
Symbol rate DVB-S:	QPSK: 4.5 ... 45 MSymb/s
Symbol rate DVB-S2:	8PSK: 4.5 ... 45 MSymb/s 16APSK: 4.5 ... 39 MSymb/s 32APSK: 4.5 ... 32 MSymb/s
Maximum data rate/tuner	83MBit/s
Level range:	60 dB μ V ... 80 dB μ V
Input impedance:	75 Ω
LNC supply:	14 V/18 V; maximum total output of 500 mA

RF input DVB-T/T2/C acc. to EN 302755 v1.3.1/300429

Channels	C5...C12, S21...S41, C21...C69
Frequency range:	42 ... 866 MHz
Input level:	60 dB μ V ... 80 dB μ V

Input data

Maximum over all input data rate (MPTS + SPTS + DVB-S/S2x/T/T2/C):	900 MBit/s
Buffer memory	1 GBit (corresponds e.g. at 16 x 50 MBit/s to approx. 16 x 50 ms buffer)

Output data

Data rate:	\leq 820 MBit/s
Remapping	SIDs, TS-/ON-IDs
Services:	max. 256
PCR Corrections:	max. 256
EIT:	max. 256

IPTV Output

MPTS	16
IGMP	V2
Protocols:	UDP (User Data Protocol), RTP (Real-Time Transport Protocol)

RF output QAM (suitable for adjacent channels; symbol rates and modulation individually adjustable)

Frequency range:	42.0 MHz ... 868.0 MHz
Types of modulation:	QAM 4, 16, 32, 64, 128, 256
Output level:	80...96 dB μ V
Dynamic phase error:	< 0.2 °
MER:	> 45 dB
Output impedance:	75 Ω
Symbol rate:	1000...7500 kBd

RF output COFDM (suitable for adjacent channels; modulation individually adjustable)

Frequency range:	42.0 MHz ... 868.0 MHz
Types of modulation:	QPSK, 16 QAM, 64 QAM
Transmission modes:	2k
Code rates	1/2, 2/3, 3/4, 5/6, 7/8
Guard intervals:	1/4, 1/8, 1/16, 1/32
Output level:	80...96 dB μ V
Output impedance:	75 Ω

Connections

SAT inputs:	4 F sockets
Terrestrial input:	1 F socket
LAN (for control/cascading) 100-BASE-T:	2 RJ45 socket
LAN (for data) 1000-BASE-T:	1 RJ45 socket

General

Supply voltage:	200...240 V ~, 50/60 Hz
Power consumption:	46 W (without LNC supply; without CI); max. 75 W
Ambient temperature:	0...+50 °C
Cooling	passive, fanless
Dimensions (W x H x D):	341 mm x 282 mm x 105 mm
Weight:	7 kg