

DVB-S2/S2X SATELLITE RECEIVER

Professional DVB-S2/S2X demodulator with ASI and IP outputs for reception of free-to-air and encrypted satellite signals.



CableWorld’s latest receivers are available in several versions to satisfy user demand. The fully equipped 19–inch rack contains six tuners which are for demodulating DVB-S/S2 and DVB-S2X signals, and four CI slots (Conditional Access Module sockets). The CI slots are assigned to the first four tuners, the fifth and the sixth tuners can be used for reception of free-to-air services. The device provides both ASI and IP (UDP/IP or RTP/IP, MPTS or SPTS) outputs.

Setting up the device is very simple: only the channel frequency has to be entered. The other reception parameters (DVB standard, symbol and FEC rate etc.) are recognised automatically. However, they can be set manually, too.

After a successful tuning, the WebGUI lists the available services which can be chosen to be decrypted even by elementary streams. The number of the services, which can be decrypted simultaneously, depends on the CA modules only.

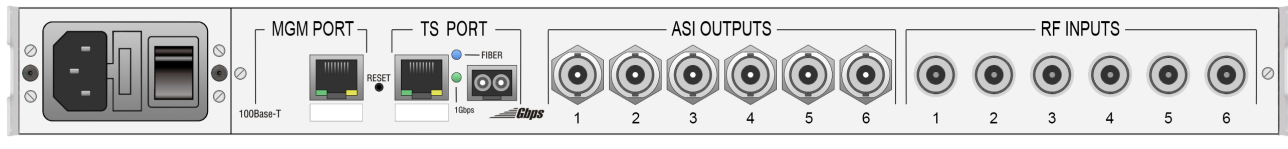
The multi-program transport streams coming from the satellite transponders are passed through the ASI outputs but they can also be divided into single-program transport streams at the IP output. Additionally, the unwanted elementary streams can be filtered.

Fields of application:

- ✓ hardware-based IPTV streamer for converting DVB-S2/S2X signals to single-program transport streams
- ✓ essential element of CATV headends which gathers the wanted TV channels from satellite transponders and provides ASI and IP outputs

- ✓ 1, 2, 4, or 6 tuners in one frame
- ✓ 1, 2, or 4 CI slots in one frame
- ✓ LNB powering at each RF input
- ✓ DVB-S2X compatibility as an option
- ✓ separated management port
- ✓ user-friendly HTML5 WebGUI
- ✓ built-in PSI analyzer
- ✓ CA module menu handler
- ✓ SFP (Mini GBIC) socket
- ✓ UDP/IP or RTP/IP, MPTS or SPTS streaming
- ✓ VLAN tagging
- ✓ SNMP traps
- ✓ elementary stream filter
- ✓ TDT/TOT and EIT insertion in SPTS mode
- ✓ firmware upgrade over WebGUI
- ✓ extremely low power consumption

DVB-S2/S2X RECEIVER



Technical data

RF input data

Tuner type	SP2246T (DVB-S2) FTS-3166 (DVB-S2X)
Input frequency range	925..2150 MHz (SP2246T) 950..2150 MHz (FTS-3166)
RF input impedance	75 Ω
RF input connector	F socket
RF loop-through connector	F socket (if there is any)
Input Level	min. -65 dBm, max. -25 dBm
Noise figure	typ. 6 dB (SP2246T) typ. 4 dB (FTS-3166)
LNB powering	18 V/13 V, 400 mA/600 mA

Transmission parameters

Bandwidth	5 MHz..36 MHz variable in 1 MHz steps
Modulation	QPSK, 8PSK (SP2246T) 8/16/32APSK (FTS-3166)
Symbol rate	max. 62 MSps (QPSK) max. 45 MSps (8PSK)
Convolution code ratio	1/2 to 9/10, with automatic recognition

IP output

Transport stream Protocol	10-, 100- and 1000Base-T
Number of outputs Stream	IPv4, ARP, UDP
VLAN tagging	64 UDP/RTP stream/device
Connector type	MPTS and SPTS configurable for all outputs
	RJ-45 and SFP (Mini GBIC) socket

ASI output

Standard	according to EN 50083-9 (for interconnection between devices)
Impedance	75 Ω
Connectors	BNC sockets (for each tuner)

Management port

IP input Protocol	10-, 100Base-T IPv4, ARP, ICMP ping, TCP/IP, UDP/IP, SNMP trap
Connector type	RJ-45

General data

Mass	4,5 kg
Physical dimensions W × H × D	19" × 1 RU 483 × 43,6 × 473 mm
Service	continuous
Power requirement	90..264 V, 47..440 Hz
Power consumption	max. 110 VA
Temperature at operation	+5..+40°C, relative humidity max. 80%

Device control

Programming and control	over a separate management port in web environment with a HTML5 GUI which is optimized to the latest Firefox browser
Management IP address	192.168.10.10/24

ordering data:

CW-4611.2	1×DVB-S2 tuner, ASI and IP outputs, SFP, WebGUI
CW-4612.2	2×DVB-S2 tuner, ASI and IP outputs, SFP, WebGUI
CW-4614.2	4×DVB-S2 tuner, ASI and IP outputs, SFP, WebGUI
CW-4616.2	6×DVB-S2 tuner, ASI and IP outputs, SFP, WebGUI
CW-4621.2	1×DVB-S2 tuner, 1×CI slot, ASI and IP outputs, SFP, WebGUI
CW-4622.2	2×DVB-S2 tuner, 2×CI slot, ASI and IP outputs, SFP, WebGUI
CW-4624.2	4×DVB-S2 tuner, 4×CI slot, ASI and IP outputs, SFP, WebGUI
CW-4626.2	6×DVB-S2 tuner, 4×CI slot, ASI and IP outputs, SFP, WebGUI
DVB-S2X OPTION	DVB-S2X compatibility for CW-46xx.2 satellite receivers

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