

**WEB
GUI**

**up to
12
ASI**

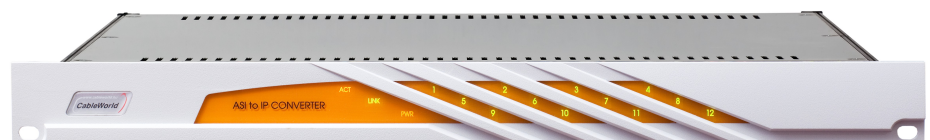
**Hi-speed
ASI**

**Built-in
TS
analyzer**

**FPGA
based**

ASI to IP CONVERTER

Compact structured converter designed to translate ASI streams to IP network. It is capable of receiving 12 ASI streams and forward them towards several destinations through IP network.



One of the main advantages of the IP network is that it enables the data transmission between remote endpoints on a simple and affordable way. Nowadays the prices of the fiber cables and SFP modules - connecting endpoints with 10-20 kilometers distance – are lowering. This is why the IP infrastructure gives the most reasonable price for transmitting digital television systems' ASI data streams with a speed up to 200 Mbit/s.

The ASI to IP converter is available with 4, 8 or 12 inputs which are grounded to the frame. The device is controlled through a separated management port that connects to a web based user interface. The transport stream output can be connected to the network with a copper or a fiber cable.

The device also has some extra features such as the built-in transport stream analyzer, filtering encrypted packets, removing null packets, adding VLAN tag to the stream or forwarding the incoming ASI stream towards multiple IP addresses (up to 4 different destinations can be supplied with the same incoming stream).

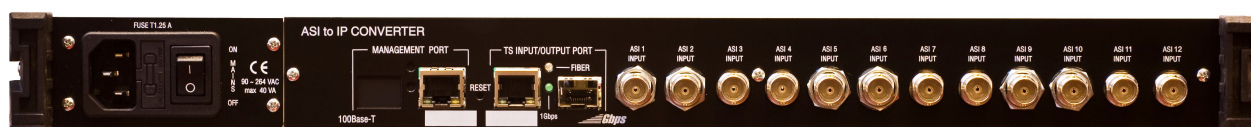
Fields of application:

- ✓ Transmission of high-speed ASI data streams to IP network (up to 200Mbit/s)
- ✓ Inserting devices with ASI output into IP based headends
- ✓ Measuring and testing ASI signals' content

- ✓ Web based user interface
- ✓ Separate management port
- ✓ 4, 8 or 12 ASI inputs
- ✓ Hi-Speed ASI
- ✓ Grounded inputs
- ✓ receptacle for SFP (Mini GBIC) module
- ✓ VLAN tagging

- ✓ Software upgrade over web interface
- ✓ LED indicators of the active inputs
- ✓ Built-in TS analyzer
- ✓ FPGA circuitry
- ✓ Extremely low power consumption
- ✓ Long lifespan
- ✓ High reliability

ASI to IP CONVERTER



Technical data

ASI input

Protocol	according to TM 1449 Rec. 1 (connection between devices)
Impedance	75 Ω
Number of connectors	4, 8 or 12
Connector type	BNC socket, grounded
Input data rate	max. 200 Mbit/s
Packet format	188 or 204 Bytes/packet

IP output

Speed	10-, 100-, 1000Base-T
Connector type	RJ-45
Protocol	Ipv4, ARP, IGMP, UDP, VLAN
Optical interface	1000Base-X
Connection interface	receptacle for SFP (mini-GBIC) module

Management Port

Speed	10-, 100Base-T
Protocol	TCP/IP
Connector type	RJ-45

Transmission parameters

TS transmission	1...7 TS packet/UDP, or RTP
PID filtering	for all PID values, without changing the PSI
Protocol	unicast or multicast
PCR correction	none

General data

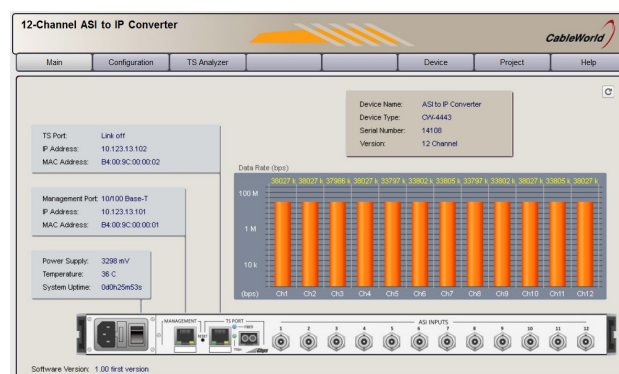
LED in the front panel	LINK, ACT, POWER ON and active inputs
LED in the rear panel	LINK and ACT

Mass	approx. 3.5 kg
Physical dimensions	19" × 1 HU
Width × Height × Depth	483 × 43.6 × 473 mm
Service period	continuous

Power requirement	90 ... 264 V, 47 ... 440 Hz
Power consumption	max. 35 VA
Temp. range for operation	+5 ... +40 °C
relative humidity	max. 80 %
Storage temperature range	-25 ... +45°C
relative humidity	max. 95 %, non-condensing

Programming of the device

Programming and control	over separate management port, in web environment, optimized to the Firefox browser
Default IP Address	192.168.10.10
Network mask	255.255.255.0



The converter provides a variety of amenities for the user. Over the web based user interface we can get all necessary information about the basic features of the device.

Ordering data:

CW-4441	ASI to IP Converter 4 ASI inputs, IP outputs
CW-4442	ASI to IP Converter 8 ASI inputs, IP outputs
CW-4443	ASI to IP Converter 12 ASI inputs, IP outputs

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