

WEB GUI	64 IP 4 ASI	SFP Fiber	CBR Out	500 ns PCR	64 Remux
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EDGE TS REMULTIPLEXER

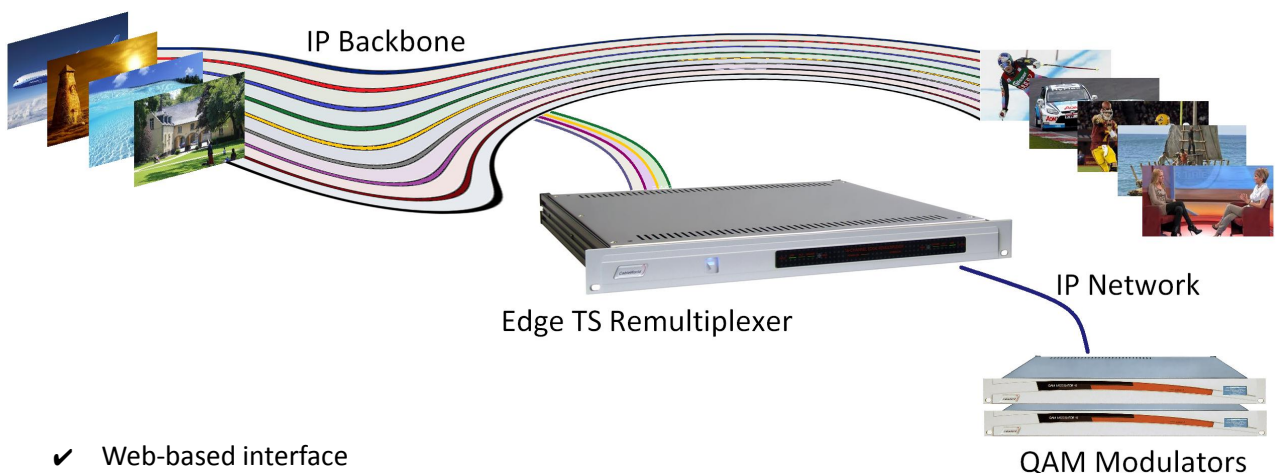
TS Remultiplexer with PCR corrector for producing 64 CBR streams to feed QAM, OFDM and QPSK modulators



The Edge TS Remultiplexer is the ideal connecting device between the programs distributed over the trunk line and the high frequency modulators. The gigabit IP input of the device can receive the programs carried by the several hundred megabit data stream of the trunk line over both optical fibre and UTP cable. In systems providing also local reception, programs can be fed also over IP and ASI lines.

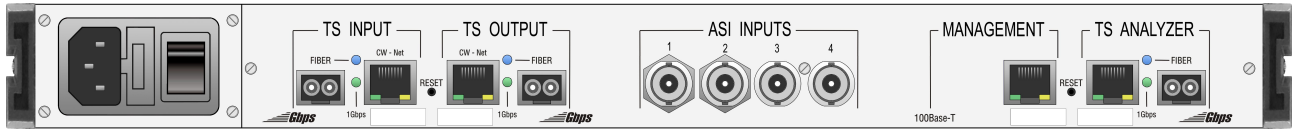
The 64 TS remultiplexers contained in the device are able to feed through the IP output 16 QAM modulators using 256QAM and more than 16 modulators using 64QAM or OFDM modulation, and all this in excellent quality.

The separate management port and the web-based user interface permit the device to be applied even in systems built to the highest standards.



- ✓ Web-based interface
- ✓ Separate management port
- ✓ Physically and logically separated TS input and TS output
- ✓ FPGA circuitry
- ✓ Extremely low power consumption
- ✓ High reliability
- ✓ Long lifespan
- ✓ Available also for 24 V and 48 V

EDGE TS REMULTIPLEXER



Technical data

IP input

TS input	10-, 100- and 1000Base-T
Protocol	Ipv4, ARP, IGMP, ICMP-Ping, UDP
Number of inputs	64 unicast / multicast connections
Connector type	RJ-45
Optical input	receptacle for SFP (Mini-GBIC) module

IP output

Transport stream	10-, 100- and 1000Base-T
Protocol	Ipv4, ARP, UDP
Number of outputs	64 UDP/IP streams
Connector type	RJ-45
Optical output	receptacle for SFP (Mini-GBIC) module

Management port

IP input	10-, 100Base-T
Protocol	Ipv4, ARP, ICMP-Ping, TCP, UDP
Connector type	RJ-45

ASI inputs

Standard and protocol	according to TM 1449 Rec. 1 (for interconnection between devices)
Impedance	75 Ω
Number of connectors	4 BNC sockets
Input data rate	max. 640 Mbit/s (the total for all ASI inputs)

Transmission parameters

PID filtering	for 64 × 8192 PID values
PID remapping	for all PID values
Number of output modules	64 streamers with free programmable IP address, MAC address and Port number
Size of the transitional buffer	6 Mbit/channel, DDR2 SDRAM
Output data rate	1 UDP/sec to 65,535 UDP/sec (up to approx. 200 Mbit/s in 10.5 kbit/s raster)
UDP format	1 to 7 TS packets/UDP
PCR correction	for all PID values, to the 500 ns limit (the corrector can be switched on and off)

General data

Mass	approx. 3.5 kg
Physical dimensions W × H × D	19" × 1 HU 483 × 43.6 × 473 mm
Service period	continuous
Power requirement	90 to 264 V, 47 to 440 Hz
Power consumption	max. 25 W
Temperature at operation	+5 to +40°C (relative humidity max. 80 %)

Programming of the device

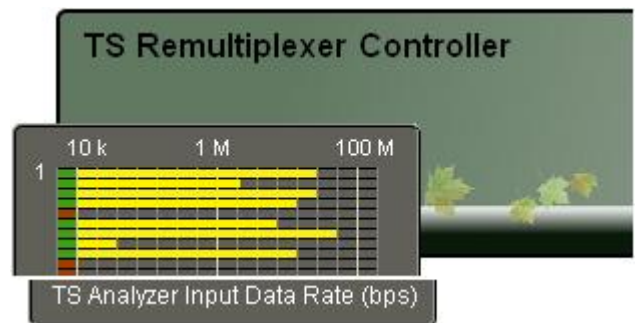
Programming and control	over separate management port, in web environment, optimized to the Firefox browser
Default IP Address	192.168.10.10

CableWorld's latest system matches the world of smartphones and tablets; its programming is made from web environment over the management port. According to the experience and user feed-backs in the past years, the web-based software of the remultiplexer serves the demands of both less and highly skilled users.

The web environment permits to fulfil CableWorld's conception about devices and software of digital systems, which to a smaller or larger extent can be modified by the users according to their needs. In the new system the source code and the tools for loading the modified software can be downloaded from the www.cableworld.eu web site without limitation, and on clicking the index file the software of the user interface can be run and studied even without the device.

CableWorld's new device control system runs in HTML 5 environment and permits connecting to the device and inspecting or correcting its operation even from a smartphone.

The picture below shows a part of the diagnostics page that inspects and measures the input IP data streams of the remultiplexer.



Ordering data:

CW-4458	16-Channel Edge TS Remultiplexer 16 ... 64 TS Remultiplexers with 64 IP and 4 ASI inputs and separate management port
CW-4558	16-Channel Edge TS Remultiplexer 16 ... 64 TS Remultiplexers with 64 IP inputs and separate management port

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