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|---------|----------------|--------------|------------|---------------|-------------|
| WEB GUI | 64 IP 4 ASI | SFP Fiber | CBR Out | 500 ns PCR | 64 Remux |
|---------|----------------|--------------|------------|---------------|-------------|

EDGE TS REMULTIPLEXER

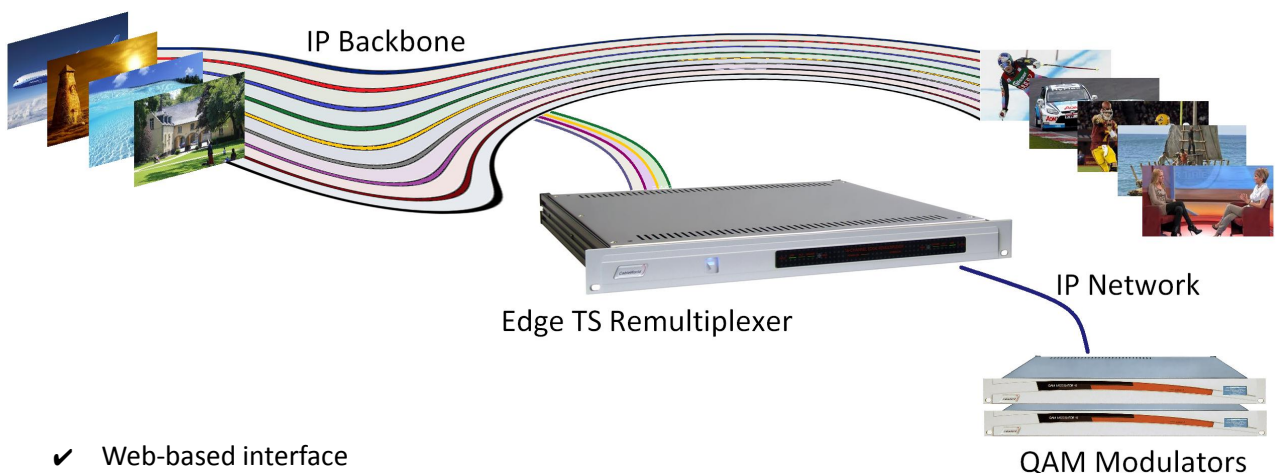
TS Remultiplexer with PCR corrector for producing 64 CBR streams to feed QAM, OFDM and QPSK modulators



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.

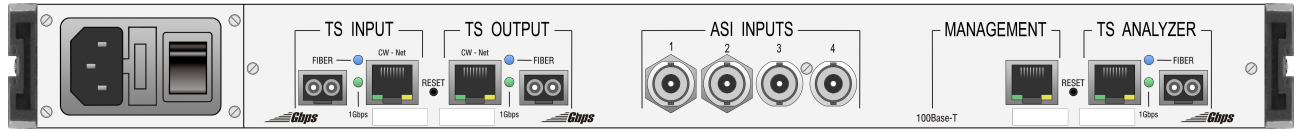
The 64 TS remultiplexers contained in the device are able to feed through the IP output 16 QAM modulators using 256QAM and more than 16 modulators using 64QAM or OFDM modulation, and all this in excellent quality.

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

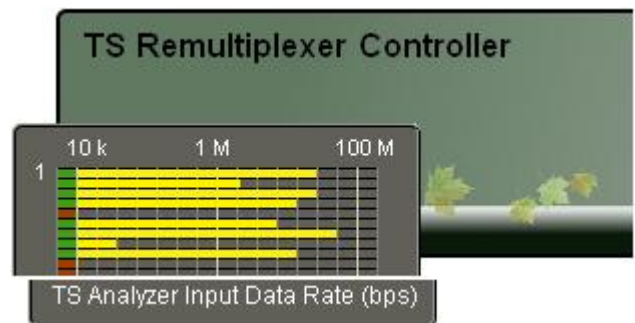
| | |
|-------------------------|---|
| Programming and control | over separate management port, in web environment, optimized to the Firefox browser |
| Default IP Address | 192.168.10.10 |

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 |

