CableWorld
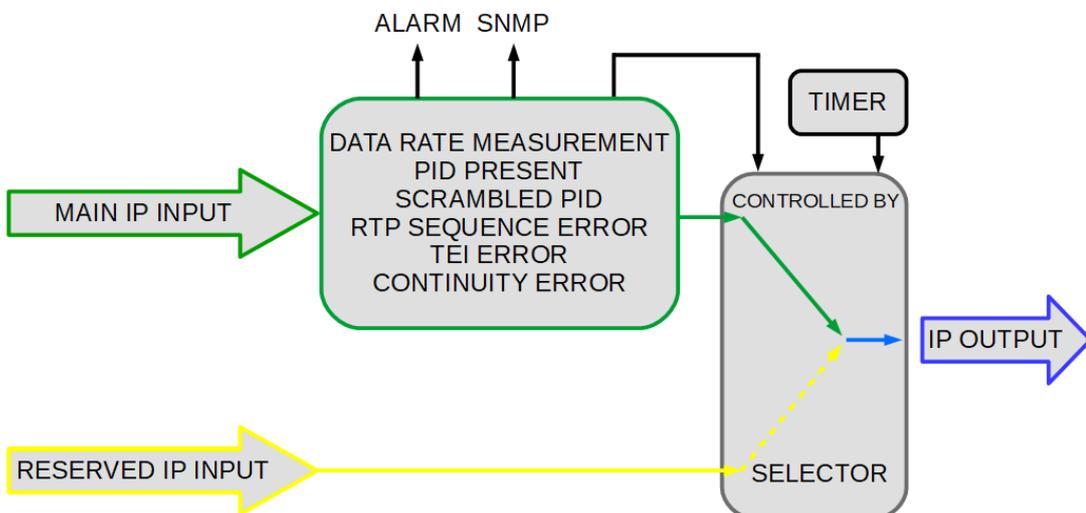
IP CHANGEOVER RACK & PORTABLE

TS switchover with 32+32 IP inputs and 32 IP outputs in rack-mountable and portable versions.

The IP ChangeOver is designed to monitor 32 IP streams simultaneously. Among other things, it continuously checks the data rates, the RTP sequence errors, the transport and continuity errors, the number of scrambled elementary streams, and the presence of particular PIDs.
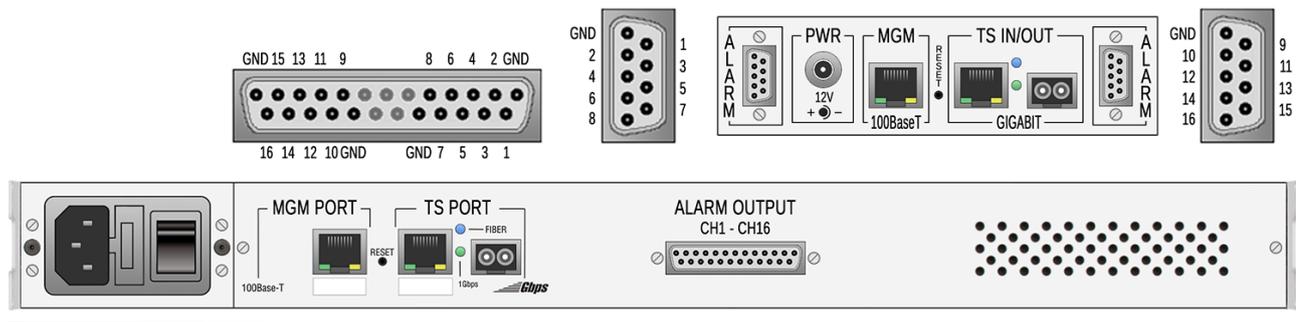
If some of these parameters exceed the preset thresholds, the device sends SNMP (Simple Network Management Protocol) traps and it automatically switches over to a backup IP source from the main one. Of course, these switchovers can be controlled manually, and they can be scheduled based on a built-in clock which is synchronized with an SNTP (Simple Network Time Protocol) server as shown in the below figure.

The IP ChangeOver can be used as a 32-channel monitoring equipment if the switchovers are disabled. In this case, the device only sends SNMP traps when detecting an alarm situation. The alarm situations are also indicated by a parallel port which is on the rear panel of the device. The first sixteen changeover units have dedicated pins whose voltage level go up to 3.3V or fall to zero according to the evaluation of the given IP source as shown in the figure on the second page.

IP CHANGEOVER
R A C K & P O R T A B L E

Key features

✔ 32+32 IP inputs and 32 IP outputs

✔ rack-mountable and portable versions

✔ UDP/IP and RTP/IP protocol support

✔ multicast and unicast reception

✔ SFP (Mini GBIC) and RJ45 TS port connectors

✔ VLAN tagging

✔ separated management port

✔ user-friendly HTML5 WebGUI

✔ SNMP trap messages

✔ 16-channel alarm output

✔ programmable thresholds

✔ programmable timing

✔ multilevel diagnostic

✔ firmware upgrade via WebGUI

✔ continuous (24/7) service period

✔ extremely low power consumption

Technical data

IP input/output

Link	10-, 100-, 1000Base-T
Protocol	IPv4, ARP, UDP
Number of inputs	32+32 UDP/RTP streams
Number of services	SPTS or MPTS
VLAN tagging	configurable for all inputs and outputs
Connector type	RJ-45 and SFP (Mini GBIC) socket

Management port

Link	10-, 100Base-T
Protocol	Ipv4, ARP, ICMP-ping, TCP, UDP
Connector type	RJ-45

General data

Mass	about 4 kg
Physical dimensions	19" × 1 RU (rack unit)
W × H × D	483 × 43.6 × 473 mm
Service period	continuous
Power requirement	90..264V / 47..440 Hz
Power consumption	max. 12 W
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-6040	32+32 IP input, 32 IP output, TS analyzer, 16×alarm output, rack-mountable version
CW-6041	32+32 IP input, 32 IP output, TS analyzer, 16×alarm output, portable version