

BRIDGE REMULTIPLEXER



It is a high quality TS remultiplexer with 6 inputs, which can be configured for receiving ASI and IP streaming as well. The device provides ASI and IP output signals.

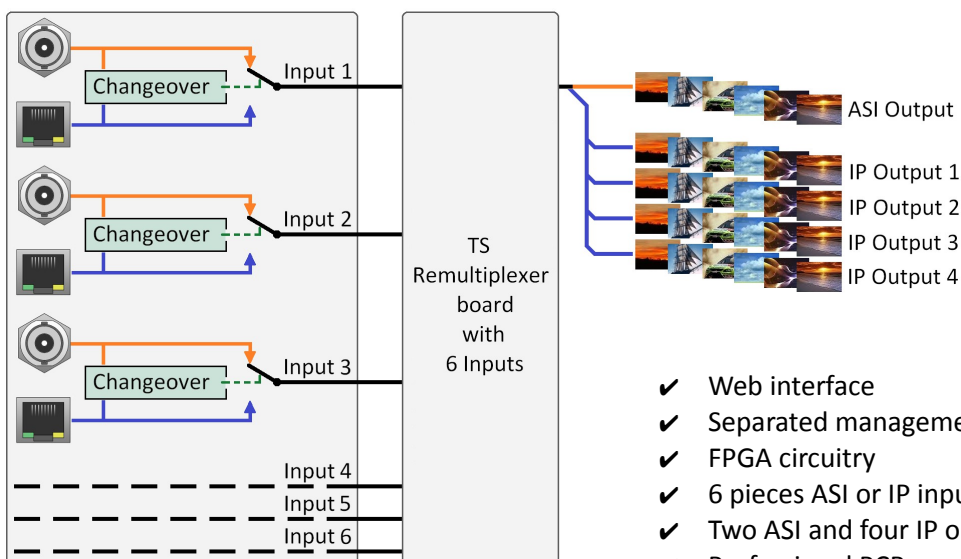
Applications:

- ✓ Feeding DVB-T (MFN) transmitters
- ✓ Changeover function: automatically change to the backup source in case of loss of signal
- ✓ Compile ASI and IP streams

In the digital systems the radio and television programs are transmitted by ASI and IP data streams. The Bridge Remultiplexer's specialty is that its inputs can be configured for receiving either ASI or IP data streams. In case of loss of signal the switches (changeovers) placed on the inputs automatically enable switching to a backup signal source (for example ASI instead of IP).

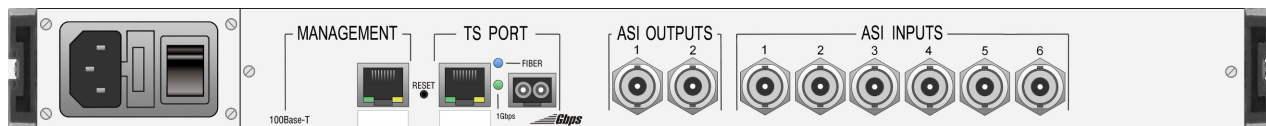
The remultiplexer compiles the output signal from the six input signals. The output signal can simultaneously be two ASI and four IP streams of the same content. The built-in PCR corrector presses the PCR errors under a 500 ns range as it is required from the professional devices.

Even though the device is able to perform specific tasks, its extremely low power consumption and outstandingly reasonable price makes it available to anyone.



- ✓ Web interface
- ✓ Separated management port
- ✓ FPGA circuitry
- ✓ 6 pieces ASI or IP input – configurable
- ✓ Two ASI and four IP outputs
- ✓ Professional PCR corrector – 500 ns
- ✓ High reliability, high durability
- ✓ Available for 24 V and 48 V, too

BRIDGE REMULTIPLEXER



Technical data

IP input

TS input	10-, 100- and 1000Base-T
Protocol	IPv4, ARP, IGMP, ICMP-Ping, UDP
Number of inputs	6 unicast / multicast connection
Connector type	RJ-45
Optical input	receptacle for SFP (Mini-GBIC) module

ASI inputs

Type and protocol	according to TM 1449 Rec. 1 (for connection between devices)
Impedance	75 ohm
Number of connectors	6 db BNC sockets
Input data rate	max. 80 Mbit/s

Management Port

IP port	10-, 100Base-T
Protocol	IPv4, ARP, ICMP-Ping, TCP, UDP
Connector type	RJ-45

IP output

Transport stream	10-, 100- and 1000Base-T
Protocol	IPv4, ARP, UDP
Number of outputs	4 UDP/IP streams
Connector type	RJ-45
Optical output	receptacle for SFP (Mini-GBIC) module

ASI outputs

Type and protocol	according to TM 1449 Rec. 1 (for connection between devices)
Impedance	75 ohm
Number of connectors	2 × BNC sockets (double output)

Transmission parameters

PID filtering	for each of the 6 × 8192 PID values
PID remapping	for each of the PID values
Size of the temporarybuffer	128 Mbit SDRAM
Output data rate	0,1 ... 100 Mbit/s
UDP format	1 ... 7 TS packet/UDP
PCR corrector	for each of the PID values up to 500 ns limit, the corrector can be switched on and off

General data

Mass	approx. 3.5 kg
Physical dimension	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. 25 W
Operation temperature range	+5 ... +40°C
Relative humidity	max. 80 %

Programming of the device

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

The Bridge Remultiplexer constantly tests all of its inputs to detect automatically any malfunction. The input signal is correct if at least one TS packet arrives to the input each second.

The user can freely decide which inputs should be connected to the ASI and the IP interfaces. Switched on the changeover function the inputs automatically connect to the backup source in case of loss of signal. With this solution inserting periodic signal of local studios, information channels, etc... can be provided without additional device.

The Bridge Remultiplexer provides the customer with two ASI and four IP outputs and the same signal on each of its outputs.

Ordering data:

CW-4450

Bridge Remultiplexer

TS Remultiplexer with 6 configurable ASI or IP inputs, ASI and IP outputs, separated management port

Your partner:



Budapest XI., Kondorfa u. 6/B
Hungary
Tel.: +36 1 204 7815
Fax.: +36 1 204 7839
CableWorld
Internet: www.cableworld.eu
E-mail: cableworld@cableworld.hu