



# MX5210 Remultiplexer

Regional headends often require simple low-cost remultiplexing units that are reliable and can be positioned in unmanned operations with the flexibility to support multiple interface standards.

The MX5210 is a compact and cost-effective DVB remultiplexer. The combination of straight forward service based configuration, comprehensive feature set and diverse interfacing options make it an ideal product for a wide range of re-multiplexing applications for telecoms and cable operators. The MX5210 has a broad range of interfacing options available and is particularly suitable for deployment in distributed network applications where minimal user intervention is required.

## PRODUCT OVERVIEW

### Compact and Low Cost

Compact 1RU and low cost combine to provide a powerful yet cost-effective solution to both the cable and telecoms industries.

### Effective Deployment of Resources

Through the use of nCompass device level control and monitoring, the MX5210 can be configured for minimal user interventions.

## BASE UNIT FEATURES

### MX5210 Remultiplexer (MX5210/BAS)

- Compact 1RU chassis
- Service or component based re-multiplexing
- Up to eight DVB ASI inputs
- Two DVB ASI copper outputs
- Output rate up to 190 Mbps
- Advanced PSI/SI regeneration
- User friendly configuration via nCompass device level control
- SNMP monitoring and configuration

## HARDWARE OPTIONS

### DVB ASI Input Card (TCOM30/HWO/4ASI-IN)

Provides for input of transport streams for re-multiplexing

- Up to 100 Mbps MPTS and SPTS
- Four inputs per card
- PSI/SI monitoring

### QAM Output (MX5210/HWO/OM33)

- Internal QAM modulator for digital cable applications
- Annex A, B and C with 64 and 256QAM support
- Full band 91 – 873 MHz

### SMPTE 310 Output (MX5210/HWO/OT12)

- Provides for output of transport stream in SMPTE 310M format

### ATM AAL5 STM-1 Output

Provides AAL5 ATM output of transport stream on STM-1 (155 Mbps)

- Electrical interface (MX5210/HWO/OT11)
- Multimode optical interface (MX5210/HWO/OT9)
- Single mode optical interface (MX5210/HWO/OT10)

### TANDBERG DVB G.703 Output

Provides output of transport stream on G.703

- Highly efficient TANDBERG Television proprietary interfacing
- E3 (34 Mbps) interface (MX5210/HWO/OT5)
- DS3 (45 Mbps) interface (MX5210/HWO/OT6)

### SMPTE 310 Input (MX5210/HWO/IT12)

- Allows input of transport stream in SMPTE 310M format

### ATM AAL5 STM-1 Input

Provides AAL5 ATM input for transport stream on STM-1 (155 Mbps)

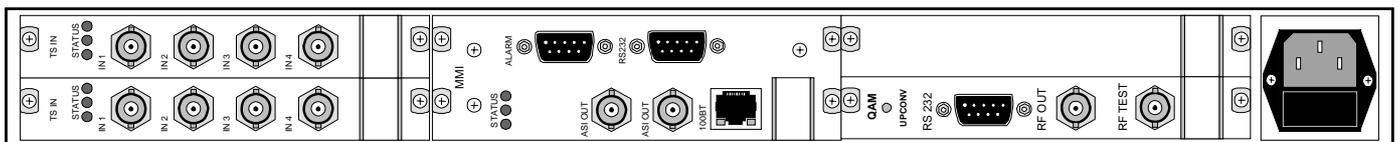
- Electrical interface (MX5210/HWO/IT11)
- Multimode optical interface (MX5210/HWO/IT9)
- Single mode optical interface (MX5210/HWO/IT10)

### TANDBERG DVB G.703 Input

Allows input of transport stream on G.703

- Highly efficient TANDBERG Television proprietary interfacing
- E3 (34 Mbps) interface (MX5210/HWO/IT5)
- DS3 (45 Mbps) interface (MX5210/HWO/IT6)

## SAMPLE CONFIGURATION



## SPECIFICATIONS

### Inputs

#### DVB ASI

Up to 190 Mbps

Four inputs per card

Max. two Input cards (eight DVB ASI Inputs)

#### G.703

TANDBERG Protocol: 34 (E3) or 45 (DS3) Mbps

#### ATM

AAL-5 155 Mbps (STM-1), electrical/optical

#### SMPTE 310M

### Outputs

Default output interface is DVB ASI (always active)

#### DVB ASI

Bit-rate: Up to 190 Mbps

Dual mirrored ASI output (both active)

#### QAM modulator

64, and 256QAM (ITU-T J.083, Annex A, B and C)

Frequency range: 91-873 MHz

#### G.703

TANDBERG Protocol: 34 (E3) or 45 (DS3) Mbps

#### ATM

AAL-5 155 Mbps, electrical/optical

#### SMPTE 310M

### Multiplexing

Up to 8191 output PIDs

Full PID remapping

### Control

Front panel and keypad: Ethernet settings, device reset and configuration info.

SNMP remote control for integration in centralized management applications

Full control & monitoring via nCompass device level control

### Physical and Power

#### Dimensions (W x D x H)

483 x 395 x 44mm (19" x 13.7" x 1RU)

#### Input Voltage

110/240 VAC

#### Cooling

Integrated fans

#### Operating Temperature

0°C to +45°C (32°F to 113°F)

#### Storage Temperature

-20°C to +70°C (-4°F to 158°F)

### Compliance

CE marked in accordance with Low Voltage

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