COD802MS

Crypton

COD 802MS
Two channel scrambler-multiplexer
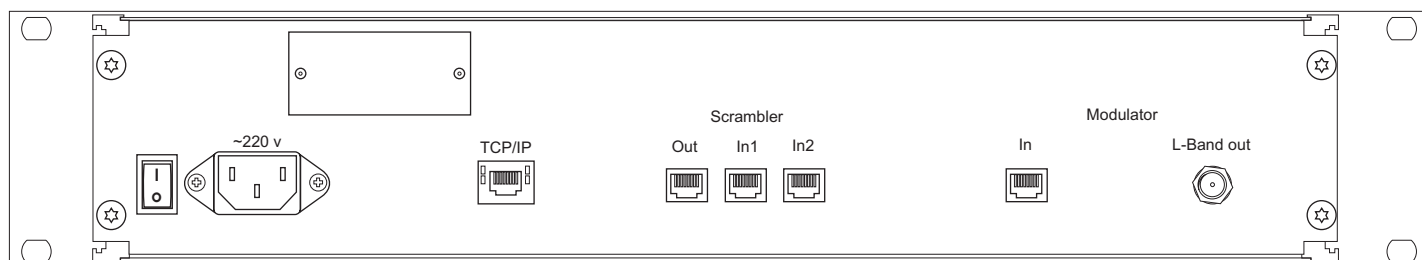
Description

COD802MS is the device that performs functions of DVB multiplexer, scrambler and SMS server. It can take DVB transport streams from its two inputs and automatically multiplex them into single TS. Up to 8 digital TV programs can be simultaneously scrambled with different keys. Subscriber management system is also independent for fore each. The device are equipped with fully functional QPSK-modulator.

Applications

Typical applications of the COD802MS are head-end stations of digital cable, MITRIS, MMDS- and LMDS-networks.

- Two-channel multiplexer
- Configuration of output transport stream
- DVB compliant scrambler
- Up to 8 channel scrambling with different keys
- TCP/IP control interface
- Built-in QPSK-modulator

COD802MS

Inputs

Serial LVDS: (multiplexer)
- Number: 2
- Summary speed: up to 35,2 Mbps

Serial LVDS: (modulator)
- Number: 1
- Speed: up to 48 Mbps

Outputs

Serial LVDS: (scrambler)
- Speed: up to 70 Mbps

QPSK L-Band: (modulator)
- Frequency ranges:
  950 - 1400 Mhz and
  1300 - 2100 Mhz
- Symbol rate: 25 - 30 Msps
- Frequency stability: 1 ppm

Processing

- PID replacement
- PCR synchronization
- Forming of SI
- SDT editing

Conditional access

- Number of scrambling channels - 8
- Different key for each channel
- Subscriber management system

Management and monitoring

Interface:
- Protocol: TCP/IP
- Connector: RJ-45

Software:
- DVB Master

Physical properties

Size:
- 2U (19")
- 480x90x295
- Weight: Not larger then 3 kg

Power supply:
- 90-260V AC 50/60 Hz
- Power: Not larger then 40W