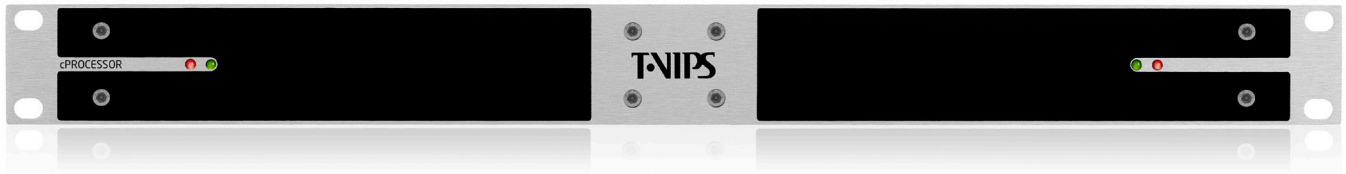


CP560 DVB-T2 Gateway



The CP560 DVB-T2 Gateway provides a central point of control for DVB-T2 networks, enabling the operator to take advantage of the more efficient spectrum utilization promised by next-generation terrestrial broadcasting.

The product utilises the advanced processing capabilities of the cProcessor family, by re-arranging the transport stream into the DVB-T2 Modulator Interface. The DVB-T2 Modulator Interface also controls the modulator parameters and provides the very accurate timing needed in an SFN network.

The CP560 is part of T-VIPS' cProcessor product family, a line of compact and powerful, yet cost-effective, products designed for advanced processing and handling of MPEG transport streams.

The CP560 provides flexible interfacing with ASI or IP inputs, and DVB-T2 MI outputs over ASI and IP.

DVB-T2 provides additional frequency bandwidths options, extended carrier modes up to 32k, rotated constellations provide increased carrier robustness and promises significant better bandwidth utilisation in terrestrial networks

Applications

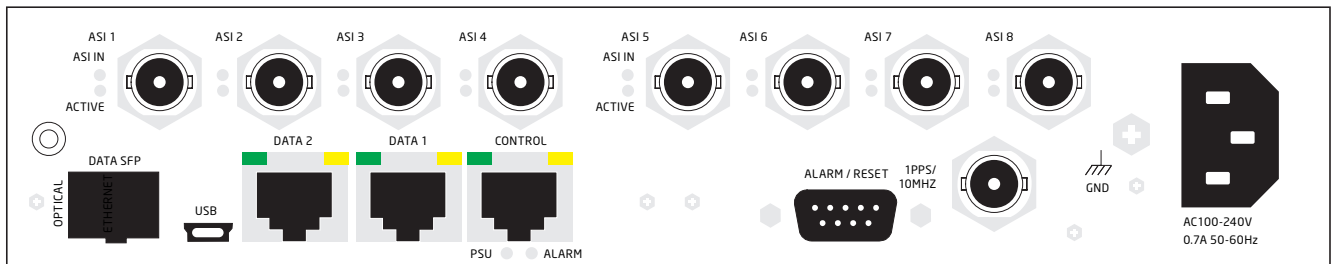
- Essential part in DVB-T2 networks
- Centralized control of DVB-T2 modulators
- Up to 50% better frequency utilisation
- Generates accurate timing information for SFN networks
- Unlocks the advanced features in DVB-T2

Key Features

- **DVB-T2 MI interface to the DVB-T2 modulators**
 - L1 signalling insertion
 - Accurate time-insertion
- **Single and multiple PLP operation**
 - Re-arranging the transport stream in DVB-T2 Modulator Interface
 - Powerful service de-multiplexing and PSI/SI regeneration
- **DVB-T2 SFN MIP insertion**
 - 1 PPS and 10 MHz inputs in addition to SNTP
- **Powerful service de-multiplexing and PSI/SI regeneration**
- **Multiple PLP, Time Frequency Slicing and MISO ready**
- **User-friendly configuration and control**
 - WEB/XML based remote control
 - SNMP agent for easy integration with NMS systems
 - Integrated with T-VIPS Connect



CP560 DVB-T2 Gateway



Transport Stream Interfaces

Connections:

- Ports: 1-8 DVB ASI
- Connector: Female BNC
- Input Bitrate: Max. 213 Mbit/s
- Output Bitrate: Max. 213 Mbit/s

Gigabit Ethernet (option):

- Type: 2 x 100/1000Base-T Ethernet
- 1 x SFP (option)
- Connectors: RJ45 (100/1000Base-T)
- SFP

Features

- DVB T2 - MI adaption: Single and multiple PLP
- Service de-multiplexing
- PSI/SI adaptation
- Clock reference: 1 PPS and 10 MHz
- UTC time reference: SNTP adjustment
- Input signal monitoring: TR 101 290 priority 1

Control and Management

- Type: 10/100 Base-T Ethernet
- Connector: RJ45
- Features: Element control through HTTP/WEB. XML Configuration import and export via HTTP. SNMP control and monitoring.
- Protocols: HTTP, XML, SNMPv2c
- Alarm Relay: 9 pin D-SUB. Two relays supported; one at configurable alarm level.
- Maintenance Port: USB version 1.1

Physical and Power

- Input Voltage: 100-240V AC +/- 10%
- Input Voltage Option: -48V DC
- Dimensions: 1 RU, 1/2-width 19"
- (WxDxH) 210 x 300 x 44.5mm
- Two units in 19" 1 RU rack space
- Installation: 19" rack mounting kit supplied

Environmental Conditions

- Operating Temperature: 0°C - +50°C
- Storage Temperature: -20°C - +70°C
- Relative Humidity: 5% to 95%
- (non condensing)

Compliance

- CE: 73/23/EEC (Low voltage equipment)
- 89/336/EEC (Electromagnetic compatibility)
- CSA: Designed for CSA approval
- Safety: IEC60950 and EN60950
- EMC: EN55022, EN55024, EN6100-3-2