



## PRODUCT INFORMATION

The Q552 UECP Processor supports Cable Network Operators by collecting, extracting and repackaging UECP data with dynamic and static contents.

RDS data for up to 74 services can be generated simultaneously.

This enables providers to generate complete UECP data sets for their analog radio services and being independent from the data they receive from the radio stations.

## MANAGEMENT AND CONTROL

The Q552 UECP Processor can be managed conveniently via the integrated web interface with all common web browsers.

The device can be monitored via SNMP.

The basic setup and status monitoring can be performed with the control panel and the LC display at the front of the device.

DYNAMIC RDS DATA PROCESSING  
OF UP TO 50 SERVICES

# Q552 UECP PROCESSOR

## FEATURES

- extraction of all audio PIDs from up to 50 services out of an MPEG-2 Transport Stream (MPTS or SPTS) that is received via IP Multicast or Unicast
- generating valid RDS data sets (in UECP format) for each service by combining the received dynamic information with static data
- output of UECP data via IP in a MPEG-2 Transport Stream (without audio data)
- convenient creation of data sets by web interface
- supports the following UECP message elements:
  - PS (either passed through from the source or created new, selectable per config option)
  - PI (either passed through from the source or created new, selectable per config option)
  - PTY (either passed through from the source or created new, selectable per config option)
- RT (if included in source)
- RT+ Tags (if included in source)
- Real Time Clock (if included in source)
- a total of 74 services can be generated and sent out in a Transport Stream (thereof at most 50 can contain dynamic data)

## APPLICATIONS

- UECP data generation for cable network operators

DYNAMIC RDS DATA PROCESSING  
OF UP TO 50 SERVICES

## SPECIFICATIONS

### Data Flow:

- input of 1 MPEG-2 Transport Stream via IP
- input: max. 25 Mbps gross transport stream rate
- display of several UECP messages of the incoming services via Web GUI (PS, PI, PTY and RT)
- generation of one UECP data stream per service with the following message elements
  - PS (either passed through from the source or created new, selectable per config option)
  - PI (either passed through from the source or created new, selectable per config option)
  - PTY (either passed through from the source or created new, selectable per config option)
  - RT (if included in source)
  - RT+ Tags (if included in source)
  - Real Time Clock (if included in source)
- packaging of the created UECP data streams into TS packets (in piped mode)
- creation of a MPEG-2 TS which transports the TS packets (with the UECP content as payload)
  - max. 74 services, thereof at most 50 services with dynamic content
- output of the generated MPEG-2 TS via IP Multicast (without audio content)

### Network Interface:

- 2 separate Ethernet interfaces (IEEE 802.3, RJ45, 10/100MBit/s)
  - data (MPTS or SPTS via IP)
  - control (web interface and SNMP)

### Additional Network Interfaces:

- Gigabit Ethernet

### system configuration, control and monitoring:

- via Ethernet with web browser
- via Ethernet with SNMP
- via front panel keys

### Power Supply:

- integrated switching power supply, input voltage: 100 to 240 V +/-10%, 50 to 60 Hz
- 48V DC power supply
- power consumption: 10W
- redundant power supply

The optionally available redundant power supply protects the operation of the device and comes with the following functions:

- measurement of the power supply voltages, values are provided via web GUI or SNMP
- SNMP trap generation on power supply fail
- activation of switching contacts on power supply fail
- automatic switch-over in case of power supply fail

### Housing:

- dimensions: 19" rack mount cabinet, 1 U (483mm x 360mm x 44mm)
- weight: 4,5 kg

### Environment:

- operation temperature: 0°C to 45°C
- storage temperature: -20°C to 70°C
- humidity: 20% to 90%, non-condensing

Key: ● Default ○ Options



# Q552 UECP PROCESSOR

## ORDERING POSITIONS

### Q552 UECP PROCESSOR

Q552 UECP Processor	order as many as services are needed to be processed
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## SUPPORT OPTIONS

We are convinced of the high quality of our products. Hence, we are granting 2 years warranty without making compromises.

For the time after that, we offer affordable subsequent contracts. For optimal support and for software updates and upgrades we offer budget-friendly support contracts.

- 2 years hardware warranty
- hardware warranty extension up to 10 years
- Service Contract Advanced (Updates, Email support)
- Service Contract Advanced (Updates, Email- and phone support, replacement devices etc.)

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