

TDcH Compact Headend 16S-I

Art. Number 492781







TDcH Compact Headend with CI Interfaces

DVB-S and DVB-S2 conversion to QAM or COFDM (switchable) with the possibility to decrypt services centrally in the headend.

Built for both wall mounting and 19" racks and equipped with 4 DVB-S/S2 inputs, 16 DVB-S2X tuners, 16 QAM or COFDM (switchable) modulators and 8 CI slots.

The TDcH compact headend is optimised and engineered to meet specific TV distribution requirements in hospitality, multi-dwelling units and related sectors with an appealing, competitive cost per service ratio.

Our brand new, intuitive platform smoothly integrates easy installation, an elegant graphical user interface, central decryption, remote access, and straightforward TV service updates with LCN.

Features

- 4 x SAT IF inputs with integrated multiswitch
- 16 x DVB-S2 tuners
- 8 x CI interfaces
- 16 x QAM or COFDM full band modulators
 - Electronically adjustable output level
 - Suitable for adjacent channels
 - Symbol rates and modulation individually adjustable
- Multiplexing & IP pool
 - TV-Service Multiplexing from all inputs at each output transponder to optimize available bandwidth
 - TV-Service Multiplexing at the CA-modules to reduce amount of CAM's
- Integrated Satellite Channel Router (SCR) multiswitch*
 - Reception of up to 4 satellite positions with each 2 polarizations and 2 frequency bands
- Transport Stream Processing
 - Network Information Table (NIT) for complete headend station
 - LCN (Logical Channel Numbering)
- SID, TSID and ONID management
 - To handle conflicts during multiplexing
 - To handle changes if required
- PID management
 - To handle PID conflicts
 - PID filtering to reduce audio channels from a TV service
 - Distribute TV services multiple times with different languages
 - In case of service changes to secure no new TV channel tune
- EPG management
 - To manage the amount of EPG-data distributed in an output transponder
 - To support TVs with EPG data from all TV services without the need of retuning all transponders
- Service Filtering with the option for
 - Remove unwanted services
 - Remove services for minimize data rate-
- Real time output load measurement
- Dashboard
 - System information and overview without login
- HTML user interface via self-signed HTTPS

Technical Specifications

ORDER INFORMATION

EAN Number

5702664927819





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Technical Specifications

CHARACTERISTICS

Cable - symbol rate | Mbit/s Supported CAM Vendors Demodulator Symbolrate | Msym/s Demodulator Type Demodulator Viterbi Decoder DiSEqC level DVB-S2 Modes (8PSK) DVB-S2 Modes (QPSK) DVB-S Modes (QPSK) Input level | dBµV LNB band selection LNB current max. | mA LNB LO/HI programmable | kHz Max. Output level | dBµV MER | dB Modulation scheme Output channel Output level | dBµV Output level adjustment | dB Output Level System | dBµV **Output QAM Modes** Output symbol rate | Mbit/s Output Type Satellite - demodulation Satellite transponders Spurious Signals | dB Supported modules and cards Symbol rate DVB-S2 (8PSK) | Mbit/s Symbol rate DVB-S2 (QPSK) | Mbit/s Symbol rate DVB-S (QPSK) | Mbit/s Test Point | dB Transport stream LNB V/H programmable | V/mA

Viterbi decoder

FREQUENCY RANGE

Channel Raster | MHz Channels 3.5...7.2 Mbit/s Aston, Neotion, SMARDTV, SMiT 1...45 Msym/s DVB-S2X 1/2; 2/3; 3/4; 5/6; 7/8; automatically / manually 1.0 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 1/2, 2/3, 3/4, 5/6, 7/8 44...90 dBµV DiSEqC 1.0 Control 13/18VDC and 22kHz 400 mA 22 kHz QAM 95 / COFDM 93 dBuV QAM>43 / COFDM>40 dB QAM 16, 32, 64, 128, 256 S 21 - C 69 QAM 85...95 / COFDM 83...93 dBµV 10 dB QAM 95 / COFDM 93 dBµV 16, 32, 64, 128, 256 3,5...7,2 Mbit/s QAM/COFDM QPSK; 8PSK 16 > 60dB dB Conax: Canal Digital (Nordic), Telewizja (PL), T Home (HU) Cryptoworks: ORF (AT), UPC Direct (HU) Irdeto: ORF (AT) 4.5...45 Mbit/s 4.5...45 Mbit/s 1...45 Mbit/s -20 dB chip set prepared but not supported with SW1.0 13/18 V/mA 1/2; 2/3; 3/4; 5/6; 7/8; automatically / manually

8 MHz S 21 – C 69





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Input frequency range MHz9502150 MHzNumber of channels16 channels in a row, single channel can be switched offOutput frequency range MHz9502150 MHzSatellite - frequency range MHz9502150 MHzBetTUR LOSSOutput Return Loss dB>10 dBReturn loss SAT inputs dB>10 dBReturn loss (RF OUT) dB>10 dBELECTRICALUmber of RF outputs1OUTPUT ALLCi Islds8 x PCMCIA (front access)Data rate83 Mbit/sDC Supply Voltage VDC5 VDCEthernet Interface2 x 1000 Base-T (RJ 45)Connector - SFP cage1 x 1000 Base-T (SFP)Connector INF-femaleConnector IN1 x 1000 Base-T (SFP)Connector IN1 x F connector, 75 Ohm, 400 mA per input LNB power feedConnector INX F connector, 75 OhmUptu connectors (for RF)1 x F connector, 75 OhmOutput connectors (for RF)1 x F connector, 75 OhmOutput connectors (for RF)1 x F connector, 75 OhmOutput connectors (for RF)1 x F connector, 75 Ohm, 400 mA per input LNB power feedSP cage1 x 1000 Base-T (SFP)USB potUSB 2.0, Type A conPackaging Weight m0.255 mPackaging Weight m0.425 mPackaging Weight m0.436 mNetweight kg1.310 kgPackaging Weight m0.436 mPackaging Weight m0.436 mNetweight kg1.310 kgPackaging Weight	Technical Specifications																																																																																																											
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