

# TT-connect® S2-4650 CI



## DVB-S/DVB-S2 TV receiver with integrated Common Interface

**Technical Specification**  
DVB-S and DVB-S2 USB  
receiver for PC and  
notebook



Based on TT-connect® family

### BASICS

- Satellite receiver for reception of free-to-air and Pay-TV channels
- USB 2.0 port for PC or notebook
- Integrated Common Interface to insert various Conditional Access Modules for decrypting Pay-TV
- Video and Audio decoding via software decoder (MPEG-2 and MPEG-4 AVC/H.264, for UHD H.265)
- Features reception and presentation of DVB® data services (high-speed multicast and internet access)  
DVB-Data support: EN 301 192

### GENERAL DATA

- Dimensions (WxHxD, mm) / Weight :  
approx. 114 x 30,0 x 112 / approx. 0,2 kg

### INPUT- / OUTPUT-SPECIFICATION

- Antenna input: IEC female (F-type)
- USB 2.0 connector
- PSU connector
- Common Interface Slot

### ACCESSORIES

- Power supply 230VAC/50Hz to 12VDC/1.5A
- USB 2.0 HighSpeed cable
- Quick-Start Guide
- Remote control inclusive batteries
- CD-Rom (BDA driver and software)

### RF SPECIFICATION

- Frequency range: 950-2150 MHz
- RF input level: -65 up to -25 dBm (IEC F-female)
- Antenna input: IEC60169-2 female

#### For DVB-S

- Symbol rate (SCPC/MCPC): 2 Msymbols/s to 45 Msymbols/s
- QPSK code rates: 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- Viterbi soft decoder rate 1/2
- Support of Reed-Solomon decoding (EN 300 421)
- Up to 60 Mbps channel bit rate

#### For DVB-S2

- Symbol rate (SCPC/MCPC): 10 Msymbols/s to 30 Msymbols/s
- QPSK and 8PSK code rates: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- LDPC and BCH decoder as per DVB-S2 requirements
- Digital Nyquist root filter with 0.20, 0.25, 0.35 roll-off factors
- Up to 90 Mbps channel bit rate

### LNB CONTROL

- Band selection: 22 KHz
- Polarity selection: 14/18 V
- Tone burst mode
- DiSEqC 1.0, 1.1, 1.2, 2.0\*
- SCR/CSS CENELEC Unicable support (EN50494)\*
- Maximum LNB current support: 400 mA

\* if supported by software

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### VIDEO DECODER (SOFTWARE)

- MPEG Profile : MPEG-2 Video, MPEG-4 AVC/H.264, HEVC/H.265
- High Definition and Standard Definition: 2160p50, 1080i50, 720p50, 576i25
- Picture formats : Auto WSS 4:3, 16:9, 2.21:1 (PAL only)

### AUDIO DECODER (SOFTWARE)

- Profile : MPEG 2 layer I & II
- AC 3 Decoding

### TT-Viewer SOFTWARE

- Recording and Play back of TV/Radio programs
- Support of Dolby Digital (AC3) with software decoder
- EPG (Electronic Program Guide) for comfortable use
- Short EPG (now/next information)
- Highspeed Videotext
- Time shift support
- Video- and Audio decoding via software decoder
- Individual favorites list with channel logos
- Languages: DE, GB
- Automatic/manual channel search

### DRIVER

- BDA driver (BroadcastDriverArchitecture) makes use of 3rd party software possible

### MINIMUM SYSTEM REQUIREMENTS

- Ultra-HD TV
  - Windows 10
  - Intel Core i7 / 6.Gen.; min. 2,4GHz; min. 4 Cores (or suitable processor)
  - 8GB RAM
  - Multimedia graphics card with hardware decoder for HEVC(H.265);HDMI 2.0 connector and HDCP 2.2 copy protection standard; DirectX support
- Windows Vista, Windows 7, Windows 8, Windows 10 32- and 64-bit
- Intel Dual Core processor or suitable AMD processor
- 1024MB recommended or WIN minimum requirements
- Hard disk with min. 1GB free storage space
- Graphics card with at least 64 MByte memory and DirectX 9 support or higher
- Sound card with DirectX 9 support or higher
- Suitable codec for Audio/Video (MPEG2, MPEG4/H.264 and for UHD HEVC/H.265)
- Free USB 2.0 port
- CD ROM drive
- Digital satellite dish

### STANDARDS AND REGULATIONS

- Product safety and EMV regulation: EN 50083-2 (IEC 60728-2)