

TT-budget® S2-4100



DVB-S/DVB-S2 receiver

Technical Specification DVB-S and DVB-S2 PCIe card



Based on TT-budget® family

BASICS

- Free-to-air satellite receiver
- PCIe card to use inside Personal Computer
- Video and Audio decoding via software decoder (MPEG-2 and MPEG-4 AVC/H.264)
- Plug and Play installation
- Supports DVB® data services (high-speed multicast and unicast) according to EN 301 192
- Fully compliant to: DVB-S standard EN 302 307
- MPEG2 Transport Stream support: ISO/IEC 13818-1
- DVB-Video/-Audio support: ISO/IEC 13818-2,-3

GENERAL DATA

- Dimensions (WxHxD, mm): approximately 140 x 70 x 20
- Weight: approximately 0,1 kg

INPUT / OUTPUT SPECIFICATION

- Antenna input: F-connector
- 2,5mm jack plug to connect the IR receiver

LNB CONTROL

- Band selection: 22 KHz
- Polarity selection: 14/18 V
- Tone burst mode
- DiSEqC 1.0, 1.2, 2.x*
- Supports SCR/CSS CENELEC standard (EN50494)*
- LNB maximum current: 400 mA

* if supported by software

RF SPECIFICATION

- Frequency range: 925-2175 MHz
- RF input level: -69 bis zu -23 dBm

For DVB-S

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

For DVB-S2

- Symbol rate (SCPC/MCPC): 1 to 45 Msymbols/s
- QPSK and 8PSK with supported 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

VIDEO DECODER (SOFTWARE)

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

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AUDIO DECODER (SOFTWARE)

- Profiles: MPEG 2 layer I & II
- AC 3 decoding

TT-Viewer SOFTWARE

- Digital video recorder – program recordings without loss of quality
- Dolby Digital (AC3) support for high quality sound
- EPG (electronic program guide) for easy timer setup
- Short EPG (now/next information)
- High speed video text
- Permanent Time-Shift
- Video and Audio software decoding
- Individual favourite list with program logo
- Plug & Play installation
- Languages: DE, GB
- Automatic/manual channel search

Driver

- BDA driver (BroadcastDriverArchitecture) supports 3rd party software

ACCESSORIES

- IR receiver and remote control with batteries included
- CD-ROM (BDA driver and software)
- "Low Profile" slot bracket
- Quick start guide

MINIMUM SYSTEM REQUIREMENTS

- Windows XP, 32-bit and 64-bit
 - SDTV: - CPU at least 1 GHz
 - 512MB RAM (1024MB recommended) or Windows minimum requirements
 - HDTV: - P4 3,4 GHz (or a similar processor)
 - 1024 MB RAM (2048MB recommended) or Windows minimum requirements
- Windows Vista, WIN 7, WIN 8, 32-bit and 64-bit
 - SDTV: - CPU: P4 2,0GHz (or similar processor)
 - 1024 MB RAM (2048 MB recommended) or Windows minimum requirements
 - HDTV: - Pentium D 3,0 GHz (or similar Dual-Core processor)
 - 1024 MB RAM (2048 MB recommended) or Windows minimum requirements
- Hard disk with at least 1 GB free storage space
- Graphics card with at least 64MB memory and DirectX 9 Support or higher
- Sound card with DirectX 9 support or higher
- Siutable Codec for Audio/Video
- PCIe x1 slot
- CD ROM drive for installation
- satellite dish fit for digital reception

STANDARDS AND REGULATIONS

- DVB-S standard EN 302 307
- MPEG2 transport stream support as per ISO/IEC 13818-1
- DVB-Video/-Audio support as per ISO/IEC 13818-2,-3
- Safety and EMC regulations: EN 60950, EN 55022 and EN 55024