

Technical Specification

TT-micro[®] IP830

Digital receiver for IPTV



Based on TT-micro[®] product family

BASICS

- Pay- and Free-TV IPTV receiver
- HDTV support 720p, 1080p@24Hz, 1080i @50/60Hz
- HDMI Digital Video output with HDCP
- Verimatrix VCAS DRM (card less)
- Video Decoding:
 - ISO/IEC 13818-2 (MPEG-2 Video) - MP@ML & MP@HL
 - ISO/IEC 14496-10 (MPEG-4/Part 10) - HP@L4.1
 - High Definition and Standard Definition: 1080i50, 720p50, 576i25, 576p50
- Audio Decoding:
 - ISO/IEC 13818-3 (MPEG-1/2, Layer 1, 2 & 3)
 - Dolby AC-3 pass-through and stereo down-mix
 - MPEG AAC & HE AAC pass through and stereo down-mix
- Audio and Video out via SCART and HDMI simultaneously
- Digital Audio out via optical S/PDIF
- Analogue Audio out (left/right) via RCA (Cinch)
- Display: no (optional: 4 digits 7segment LCD)
- SW-Update over the IP network (broadcast and unicast)
- Integrated Teletext browser and re-insertion (VBI)
- DVB and EBU subtitling support (ETS 300 743)
- Ekioh SVG browser
- HTML browser
- Ekioh API
- BeeSmart Middleware
- Quative Middleware (optional)
- Harmonic VOD integrated
- Espial/Kasenna VOD integrated
- Edgware Orbit VOD integrated
- NetVisor iTVSense monitoring agent integrated (SNMP client) (optional)

STB MODE FUNCTIONALITY

- STB functionality customised accordingly with Operator requirements
- STB functionality depending on used Middleware.
- Powerful processor ST7101 with DSP (total more than 450DMIPS)
- Memory for middleware integration
 - RAM: 256 MB
 - Flash: 32 MB

HIGHLIGHTS

- Compact & cost effective IPTV receiver
- Cristal clear HD picture and surround sound
- Supports latest advanced IPTV capabilities and features
- Supports Electronic Program Guides, Multicast TV, Video-On-Demand, digital video scaling

FRONT PANEL

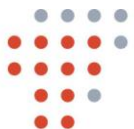


REMOTE CONTROL



Standard Remote Control

LOGOS



TechnoTrend Görler GmbH, Ing.-Anton-Kathrein-Str. 2, 83101 Rohrdorf-Thansau, Germany
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STANDARD + REGULATION COMPLIANCE

- MPEG-2 Transport Stream support to ISO/IEC 13818-1
- MPEG-2 Video/Audio support to ISO/IEC 13818-2, 3
- MPEG-4 Video (AVC) support to ISO/IEC 14496-10
- Teletext in VBI according to ETS 300 472
- DVB subtitling according EN 300 743
- Safety and EMC regulations: EN 55013, EN 55020 and EN 60065

IP STANDARDS

- IGMP 1, 2
- HTTP
- HTTPS
- RTSP
- UDP
- TCP
- NTP client
- DHCP client incl. vendor specific options
- FTP
- TFTP
- SNMP (optional with specific monitoring agent)
- MPEG2 TS reception via UDP multicast or unicast

POWER SUPPLY

- Power supply 230VAC/50Hz to 12VDC
- Operation power consumption less than 15 W
- Power supply in stand by < 1 W

INPUT / OUTPUT SPECIFICATION

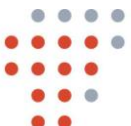
- HDMI/HDCP Digital Video out
- SCART (TV) out accordingly to EN 50049-1:
 - TV SCART out: CVBS, Y/C, RGB, stereo Audio
 - Switching signal: at PIN8 0/6/12 V; at PIN16 0/1-3 V, WSS
- RCA (Cinch) out:
 - Analogue Audio out (left/right) via RCA (Cinch)
- Digital Audio (PCM stereo, AC3) out via optical S/PDIF
- 1x Smartcard reader (optional)
- Ethernet (10/100 Mbps)
- USB 2.0 host

ACCESSORIES

- Receiver (ca. 278x167x42 [mm])
- Power Supply Unit
- SCART Cable (optional)
- Standard HDMI[®] Cable (optional)
- Ethernet cable (optional)
- Remote Control inclusive battery
- Instruction manual: A5 format black/white
- Cardboard box white (colour design optional)

COLOUR

- Black



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