

IPTV

HDMI | CVBS | S/PDIF

STB-7007

HD Set Top Box



The Comtrend STB-7007 is a next generation IP-based set-top-box which can support IPTV, video-on-demand (VoD), near VoD, Internet, and over-the-top (OTT) video applications in both HD (high-definition) and SD (standard-definition) formats. It supports most popular HD/SD decoding schemes, including simultaneous HD/SD decoding with PIP (picture-in-picture) function. With advanced and legacy interfaces supported, it can be used as a multimedia hub for a modern digital home networking environment.

STB-7007 is powered by state-of-the-art SoC and embedded Linux to support most advanced services via an IP network. These advanced applications allow Telcos, Cable operators and Internet service providers to leverage their invested DSL, HFC (cable modem) and FTTP infrastructure.

As Comtrend forms alliances with industrial partners including chipset manufacturers and software vendors, we can provide customized solutions that enable our clients to satisfy customer needs.

FEATURES

- 400-MHz Dual-Core/fast 1000-DMIPS MIPS processor
- Supports HD/SD simultaneous decoding with PIP function
- High-performance 2D-effects graphic engine
- Supports high definition video quality via HDMI 1.3
- 480i/480p/576i/576p/720p/1080i output formats
- Digital noise and contour reduction (DNR/DCR)
- Dual USB 2.0 host controller with host transceiver
- Software upgradeable via HTTP

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SPECIFICATIONS

Hardware

Interface

- HDMI output for high definition,
- RCA composite (CVBS) video/audio output,
- S/PDIF audio via optical fiber,
- RJ-45 for WAN/LAN, 10/100baseT, auto sensing x 2,
- USB2.0 connector x 2
- RJ-12 with RS-232
- IR receiver / extension
- IR out

Video Output

- NTSC/PAL/SECAM, TV resolution: 720x480/576 pixels
- 480i/480p/576i/576p/720p/1080i output formats

Video Decoding

- HD/SD H.264/AVC Main and High Profile to Level 4.1 (HD), Level 3.1 (SD)
- Advanced profile level 3 VC-1
- Simple/Main Profile VC-1
- HD/SD MPEG-2 Main Profile at Main and High levels
- MPEG still image decode
- **Various Video format could be decoded by request**

Audio Output

- S/PDIF optical or electrical
- Analog stereo

Audio Decoding

- MPEG I Layer 1,2
- **Various audio format could be decoded by request**

Dimensions

- 169.4mm (W) x 149.6mm (D) x 29.2mm (H)

Power

- AC 100~240V / 50~60Hz

Software

Browser

- Browser*

Middleware

- EPG (Electronic Program Guide)*
- OSD with VCR trick mode (Play, Pause, FFW, RW, Stop)*
- **Currently, Comtrend support Eleccard/Live555/Anevia VoD Server playback.**
Before STB delivery, Comtrend will also fine-tune player behavior aiming at request VoD Server Type.

Copy Protection

- DRM and HDCP*

Stream Protocol

- UDP, RTP and RTSP*

Network Protocol

- IPv4, HTTP, DNS Client, DHCP Client, NTP, TFTP Client, Telnet Server, ICMP (Ping / Trace Route)

Multicast Protocol

- IGMP v2, v 3

* Features are based on the solution of our middleware and video server partners. If customer requests other solutions, features might change.

Note: Specifications are subject to change without notice.



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