

STB-7007

HD IP Set Top Box



Description

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
- Macrovision® 7.1 support
- Software upgradeable via HTTP

Applications Diagram



STB-7007

HD IP Set Top Box

Specifications

Hardware

Interface

HDMI output for high definition
RCA composite (CVBS) video/audio output
S-video output
S/PDIF audio via optical fiber
RJ-45 for WAN, 10/100baseT, auto sensing
USB2.0 connector x2
IR receiver / extension

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

235mm (W) x 149mm (D) x 43mm (H)

Power

AC 100~240V / 50~60Hz

Software

Browser

Browser*

Middleware

OSD with VCR trick mode (Play, Pause, FFW, RW, Stop)*
EPG (Electronic Program Guide)*

Copy Protection

DRM and Macrovision*

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, v3

* 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.

Taiwan:

3F-1, No.10, Lane 609, Chung Hsin Road Section 5, San Chung, Taipei, Taiwan 24159
Tel: 886-2-2999-8261
Fax: 886-2-2999-8497

China:

NO.88 East QianJin Road, Kunshan City, JiangSu, China
Tel: 86-512-57383156, 86-512-57383157,
86-512-57384515
Fax: 86-512-57383155

Spain:

Edif. América II C/Prócion,7 portal 3 bajo H 28023 Madrid, Spain
Tel: 34-917990403
Fax: 34-913510999

UK:

566 Chiswick High Road Building 3, Chiswick Park Chiswick - London, W4 5YA UK
Tel: 44-0-8453701031
Fax: 44-0-8453701032

France:

8, Rue Edouard Naud
92130 Issy-Les-Moulineaux, France
Tel: 33-1-78463600
Fax: 33-1-78463601

Czech Republic:

TOKOVO Jankovcova 1518/2, 170 00, Prague 7, Czech Republic
Tel: 420-266-782040
Fax: 420-266-782990

USA & Canada:

16 Goodyear, Suite 120, Irvine, CA 92618
Tel: 1-949-7539640
Fax: 1-949-7539020

Brazil:

Al. Campinas, 977 - 7º. Floor - Room 71 / 72 - Jardins
Zip Code: 01404-001 - São Paulo - SP - Brazil
Tel: 00 55 11 3052-2295
Fax: 00 55 11 3052-2295

Mexico:

Mariano Escobedo 396 Office 503 Colonia Anzures, Deleg. Miguel Hidalgo 11590 Distrito Federal México
Tel: +52 (55) 1579 6330



COMTREND CORPORATION

Global contact: sales@comtrend.com

Website: www.comtrend.com



DS_STB7007_R1.1_011309