

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
- Supports SD MPEG-4 P2, HD DivX, AVS1-P2 decoding
- Macrovision® 7.1 support
- Software upgradeable via HTTP

Applications Diagram



STB-7007

HD IP Set Top Box

Specifications

Hardware

Interfaces

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 x2
USB2.0 connector x2
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
AVS1-P2 Jizhun profile @ level 6
MPEG4 P2 SP/ASP L5 SD Progressive/Interlaced
HD DivX 3.11/4.11/5.x

Audio Output

S/PDIF optical or electrical
Analog stereo

Audio Decoding

AAC LC, AAC HE 5.1
MPEG I Layer 1,2
WMA, WMA pro

Dimensions

169.4mm (W) x 149.6mm (D) x 29.2mm (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*

Streaming 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

UK

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

Spain

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

France

87, Rue du Gouverneur Général Félix Eboué 92130
Issy-les-Moulineaux, France
Tel: 33-1-70715700
Fax: 33-1-70715701

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 - 7°. Floor - Room 71 / 72 - Jardins
Zip Code: 01404-001 - São Paulo - SP - Brazil
Tel: 55-11-50878831

Mexico:

Mariano Escobedo 396 Office 503 Colonia Anzures, Deleg. Miguel
Hidalgo 11590 Distrito Federal México
Tel: +52 (55) 4623-1516



COMTREND CORPORATION

Global contact: sales@comtrend.com
Website: www.comtrend.com



DS_STB7007_R2.0_040710