

STB-7008

HD Cost-optimized IP Set Top Box



Description

The Comtrend STB-7008 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's supporting the essential features of cost-optimized and high performance IP set-top boxes solution. With advanced and legacy interfaces supported, it can be used as a multimedia hub for a modern digital home networking environment.

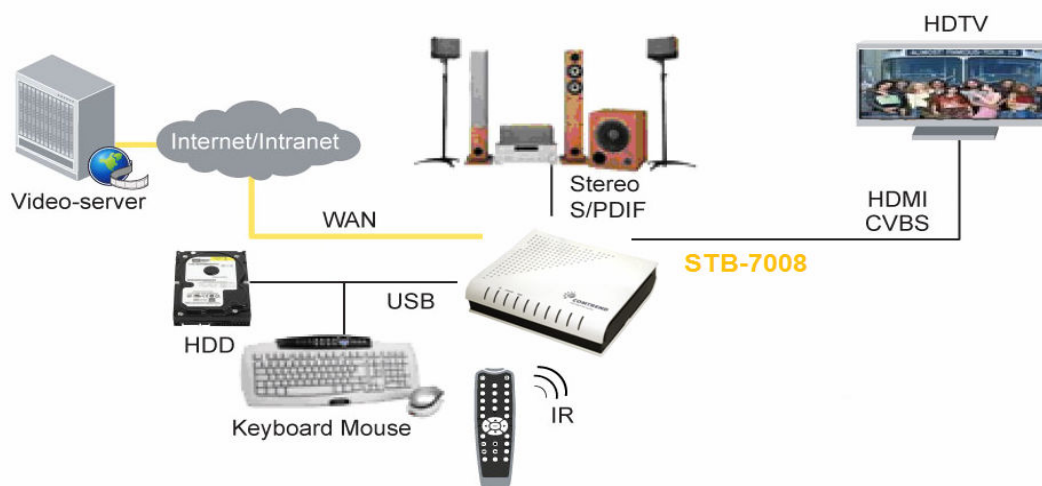
STB-7008 is powered by state-of-the-art SoC and embedded Linux to support most advanced services via an IP network. These advanced applications allow Telcos, Cable operators and Internet service providers to leverage their invested DSL, HFC (cable modem) and FTTP infrastructure.

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 1100-DMIPS processor
- High-speed 2D graphics processing
- 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, HD/SD AVS decoding
- Macrovision® 7.1 support
- Software upgradeable via HTTP

Applications Diagram



STB-7008

SD/HD Cost-optimized IP Set Top Box

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 x2
USB2.0 connector x2
IR receiver / extension
RJ-12 with RS-232

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)
HD/SD AVS Jizhun Profile Levels 2.0, 4.0, and 6.0 (720p and 1080i for HDTV)
VC-1 Advanced Profile @ Level 3, Simple and Main Profile
HD/SD MPEG-2 Main Profile at Main and High levels
SD MPEG-4 P2 SP/ASP
HD DivX® 3.11/4/5/6

Audio Output

S/PDIF optical
Analog stereo

Audio Decoding

AAC LC, AAC LC+SBR Level 2, AAC+ Level 2, AAC-HE
MPEG I Layer 1,2
WMA, WMA pro

Dimensions

206mm (W) x 160mm (D) x 46mm (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.

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