

CT-7005

Hybrid Set Top Box High Definition IP + DVB-T



COMTREND

Leading the Communication Trend



Description

Comtrend's Hybrid Set Top Box, CT-7005, is a flexible and cost-effective Set Top Box to meet the need for a digital multimedia home networking application.

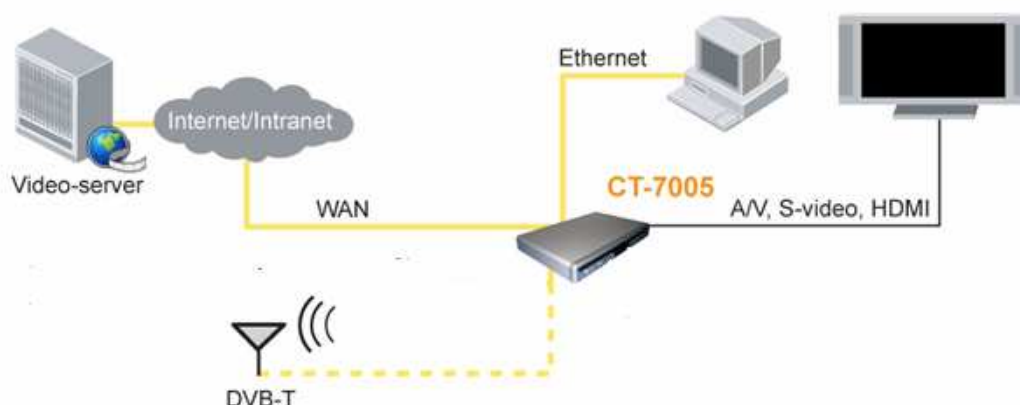
CT-7005 is powered by embedded Linux to deliver broadband TV, Video on Demand (VoD), Internet, and streaming over an IP network. IPTV services allow Telcos, Cable operators or Internet service providers to leverage invested ADSL, HFC and FTTH infrastructures.

An optional hard disk enables the low bit rate user to enjoy high definition video by Push VOD and PVR support. As Comtrend forms alliances with partners including chipset manufacturers and software vendors, we can provide a total blueprint that enables Telcos/Service providers to start a quick profitable operation.

Features

- Embedded Linux OS
- Optional Browser and JavaScript for Middleware and EPG
- IGMPV2,V3 Multicast IPTV
- VoD with trick mode based on various video server.
- MPEG-4 AVC/H.264 to HP@L4.1, resolution support to 720P and 1080i
- MPEG-2 to MP@HL, resolution support to 720P and 1080i
- Supports High Definition video quality via HDMI
- Various audio format could be decoded by request
- Supports streaming protocols RTP and RTSP
- Software is upgradeable via HTTP
- Optional hard disk for PVR & Push VoD implementation
- Optional DVB-T support fixed channel list and switching

Applications Diagram



CT-7005

Hybrid Set Top Box High Definition IP + DVBT

Specifications

Hardware

Video Output

Configurable Standard Definition video output: NTSC/ PAL TV resolution: 720 x 480/ 576 Pixels
Configurable High definition Video output: 720p/1080i

Audio Output

Analog Stereo

Interfaces

RJ-45 for WAN 10/100 T auto sensing
RCA composite Video/ Audio output
S-Video output
HDMI for High Definition
S/PDIF audio via optical fiber
USB (2.0) connector x 2 (1 in front panel, 1 in main board)

Video Decoding

MPEG 2 MP@HL decoding SD/HD
H.264 HP@L4.1 decoding SD/HD

Audio Decoding

Various audio format could be decoded by request.

SATA Hard Disk Drive (option)

DVB-T (option, without CA)

Dimensions

TBD

Power

AC 100~240V / 50~60Hz

Software

IPv4, HTTP, DNS Client, DHCP Client, TFTP Client, Telnet Server, ICMP (Ping / Trace route).

Browser

Browser*

Copy Protection

DRM and Macrovision*

Middleware

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

Streaming Protocol

RTP and RTSP*

Multicast Protocol

IGMP V2, V3

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

Note: Specifications are subject to change without notice.

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