

## Set-Top Box

WiFi | HD | Local play | ISDB-T

### STB-7002nt

# HD Hybrid IP Set Top Box



The Comtrend STB-7002nt 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-7002nt is powered by Broadcom 7406 SoC, embedded Linux, and Oregon middleware to support most advanced services via IP network.

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

---

- Embedded Linux OS
- Oregon Customized Software
- MPEG-2 Main Profile
- MPEG-4 AVC/H.264 @ Level 4.1
- VC-1 Advanced Profile @ Level 3/Simple/Main
- Audio decoding for MPEG-1 layers 1, 2, and 3
- Support Wireless 802.11n with external Antenna
- Over-The-Top functions

# STB-7002nt

WiFi | HD | Local play | ISDB-T



## 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
- SAMSUNG tuner module(NIM)
- USB2.0 connector x2
- IR receiver
- 2.5 HDD(option)

#### Video Output

- NTSC/PAL
- 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

#### Audio Output

- S/PDIF optical or electrical
- Analog stereo

#### Audio Decoding

- Various audio format could be decoded by request

#### Power

- DC 12V/1.5A

### Software

#### Browser

- Oregon Browser

#### Middleware

- Oregon

#### Copy Protection

- DRM

#### Stream Protocol

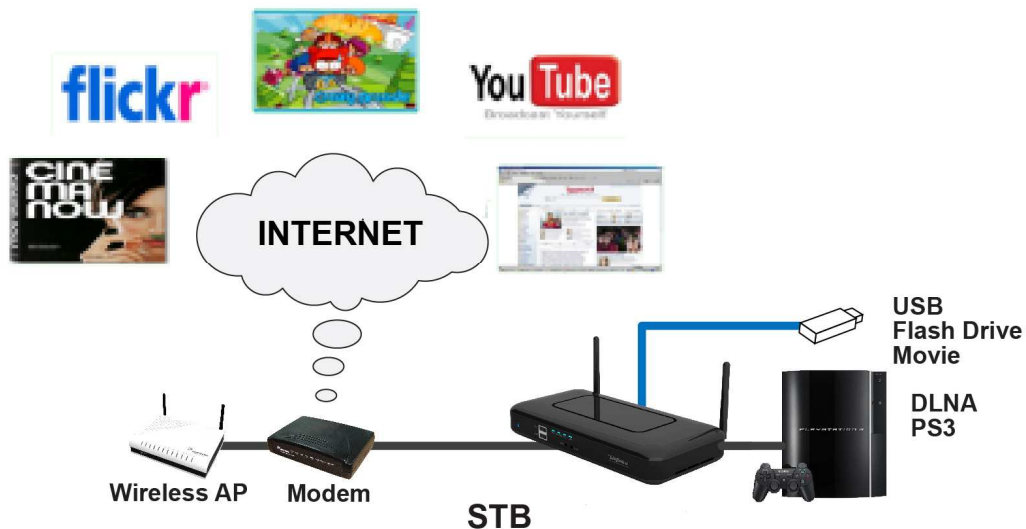
- UDP, RTP and RTSP

#### Network Protocol

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

#### Multicast Protocol

- IGMP v2, v3



**COMTREND CORPORATION**

**Taiwan:**  
3F-1, No.10, Lane 609, Chung Hsin Road Section 5, San Chung Dist., New Taipei City, 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:**  
NO.88 East QianJin Road, Kunshan City, JiangSu, China  
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