







ESTB A/H



Datasheet

The ESTB-A and ESTB-H are an Android based platform designed to turn any TV into an interactive, Smart and Social TV. It can stream video and audio content from IPTV channels, OTT video distribution, VOD stores and external USB hard drives. In Addition, the ESTB-H model includes a built-in DVB-T/T2/C or ATSC tuner module that can receive and display Free-to-Air TV broadcasts.

KEY FEATURES

-  Full Open Internet and OTT content access, to allow users accessing web TV, online music, etc.
-  1080p HD video support for the Highest quality HD services
-  Built in WLAN Access Point to set up the STB as hot spot.
-  Support for adding native android applications, including web browser, skype, gaming, social media...
-  Allows for remote management operations, such as firmware updating, reboot, application loading, etc. without human intervention.
-  Extremely reduced size and support of RF Remote Control comands, so the STB can placed anywhere

HARDWARE

CPU: ARM Cortex A9*2,Mali 400*2
Frequency: 1.5GHz
RAM: DDR3-1G
Storage: NAND 2GB
Front indicators: Power, Net and Status LEDs
Rear indicators (ESTB-H only): Network Link

SOFTWARE

OS: Android 4.1
GUI: Entertainment Solutions application
Middleware: Entertainment Solutions Platform
DRM: CyphES

CONNECTIVITY

LAN: RJ45 with 10/100 Base-T connection
WLAN: Build in 802.11 b/g/n WiFi module with antenna inside
USB: Support 2 external USB HOST
Video Output: HDMI 1.4 output, with CEC and HDCP support, CVBS (ESTB-H only)
Audio output: HDMI, RCA (ESTB-H only)
HDMI video output, connect to HDTV for HD video playback
Only for ESTB-H model:
Tunner: tuner module with support for FTA DVB-T, DVB-T2, DVB-C and ATSC

ESTB A/H

STREAM, AUDIO & VIDEO FORMATS

Resolution:

up to 1920x1080p

Stream video playing:

IPTV and OTT services.

Stream media protocols:

RTP, UDP, IGMP, HTTP, HLS

Video:

MPEG-1 MP/HL, MPEG-2 MP/HL, MPEG-4 Part 2 ASP, WMV/VC-1 SP/MP/AP, H.264 HP@L4.1, RealVideo 8/9/10, M-JPEG and JPEG

Video containers:

MPEG, MPE, MPG, M2V, ISO, TS, VOB, DAT, AVI, MKV, MP4, MOV, 3GP, 3GPP, FLC, WMV, TS, FLV, RM

Subtitles:

SRT, SUB, IDX, PGS

Audio CODECS:

AAC, AC-3 (Dolby Digital 5.1), ADPCM, AMR-NB, MIDI, MP2, MP3, MS-ADPCM, PCM, RV40, Vorbis, WMA, AAC+ (HE-AAC v1), eAAC+(HE-AAC v2)

Supported File format: mkv, wmv, mpg, mpeg, dat, avi, mov, iso, mp4, rm and jpg, mp3, 3gp, TS

REMOTE CONTROL

Multiple options supported:

- Simple Infrared (IR) with TV RC learning capability
- Dual RF (2.4GHz) and IR RC and TV RC learning capability
- Combo RF (2.4GHz) and IR RC with QWERTY keyboard, gyro-mouse, microphone and TV RC learning capability
- Android and iOS applications for Smartphones and Tablets

DIMENSIONS and WEIGHT

ESTB

LxWxH: 130x130x17 mm

Weight: STB (w/o accessories): 160g

ESTB-H

LxWxH: 168x132x21 mm

Weight: STB (w/o accessories): 402g

POWER

ESTB

External supply: 5V@2A (100-240V, 50/60Hz)

Power consumption: 4W (max)

ESTB-H

External supply: 12V@3A (100-240V, 50/60Hz)

CERTIFICATIONS

RoHS, CE, FCC

