
N8608I DATASHEET

Description

N8608I series are cost-effective HD IP Set-top Boxes which receive high/standard definition audio/video content based on MPEG-2, H.264/AVC and WMV9/VC-1 (optional) high/standard content. A wide variety of hardware interfaces are available to choose, such as YPbPr, HDMI, CVBS or SCART, S-Video, S/P DIF and RCA. The friendly graphical user interface (GUI) will definitely bring you to the world where you can experience lots of new interactive services.



Features

- RTSP/SDP and MPEG-2 TS Over IP
- MPEG2, H.264/AVC, WMV9/VC-1(optional), HD/SD stream decoding
- MPEG-1/2 Layer 1/2/3(mp3), MPEG2/4 AAC, WMA(optional), uncompressed PCM and Dolby Digital Plus
- JPEG, BMP, PNG and GIF animated pictures
- 10/100M Base-T RJ45, Auto MDI/MDIX
- USB2.0 port
- Embedded web browser
- VOD and Music on Demand
- IGMP multicasting programs
- Network games based on JavaScript, JVM
- English and Chinese (or others) character input
- UTF-8 (Simplified Chinese, Traditional Chinese and English)
- Closed Caption

Specification

Chipset:

Broadcom 7401/7402 single chip (300MHz, 450DMIPS).

Memory:

Ram: 256MB DDR400

Flash: 2MB NOR + 128MB NAND Flash

Video decoding:

Standards:

ISO/IEC 13818-2 MPEG-2 MP@ML/HL

ISO/IEC 14496-10 H.264/AVC MP/HP@L4.1

SMPTE 421M-2006 VC-1 AP@L3 (optional)

TV Standard: PAL/NTSC/SECAM

Aspect Ratio: 4:3, 16:9

Resolution: 480i/p, 576i/576p, 720p, 1080i

Video Output support: YP_bP_r, CVBS/SCART, S-Video and HDMI

Copyright Management: HDCP and Macrovision 7.1 (optional)

Audio Decoding

Standard:

ISO/IEC 11172-3/12818-3(MPEG)

MPEG-2/4 AAC

Decoding Formats:

MPEG Layer 1/2/3(mp3)

MPEG-2 AAC

MPEG-4 AAC

WMA and WMA Pro (optional)

Dolby Digital and Dolby Digital Plus

3D SRS Audio (optional)

Sampling Frequencies: 16, 22.05, 24, 32, 44.1, 48 and 96 KHz

Output Mode: left track, right track, stereo, joint stereo and digital audio

Volume: multi-degree volume and mute

Picture Format:

Static pictures: JPEG, BMP, PNG, and GIF

Animated picture: GIF

Protocol:

IP Protocol: IP v4/v6 (optional)

Network Protocols: DHCP, DNS, IGMPv2/v3, Proxy, PPPoE, TFTP, NTP and HTTP1.1

Streaming Media Protocols: RTSP/SDP, RTP/RTCP

Hardware Interfaces:

Ethernet: 1×10/100M Base-T RJ45

IR: NEC/RC5/XMP

USB2.0

Video Interfaces (optional): CVBS /SCART, S-Video, YP_bP_r and HDMI

Audio Interfaces: RCA (L+R) and S/PDIF

Serial Port: RS-232

IC card: 1× Smart card (ISO7816)

AC Adapter: Universal 100V-240V AC, 50-60 Hz, DC 12V/2A Input

Front Panel:

6 buttons on Front panel..

LED for display.

OSD:

Color: 32-bit true color

Alpha blending: 256 levels
Advanced 2D graphics engine

Third Party Software Supported:

Browser: iPanel

Games: JavaScript games, JVM games

System Maintenance:

Software Upgrade: Manual/Automatic local or remote upgrade

System Configuration: Manual/Automatic configuration