ASCENT✳
Communication Technology

Quad-Core DVB-T/T2 OTT Hybrid 4K STB

AS951 Series

- **Android 7.0**
- **Up to 4 Kx2K@60fps(10bit)**
- **Enhanced 3D GPU**
- **WiFi 802.11 a/b/g/n/ac 2.4G/5G Dual Band 2T×2R**
- **Bluetooth V4.0**
- **ABV CAS (option)**
- **Flexible Audio Video Outputs**
- **Easy Installation and Setup**
- **Remote Management**
- **Fully Compatible with Open International Protocol**

ACT AS951 Series IP Based High Definition Over-The-Top (OTT) Set-Top Box (STB) is an intelligent subscriber home device designed for the ultimate user experience with support for DVB-T/T2 receivers including multicast, VOD, and internet access.

The AS951 Series STB is equipped with a powerful quad-core media processor in a lightweight modern package that allows for a flexible and personalized viewing experience. The AS951 Series STB provides high quality and robust services with advanced streaming protocols enabling an over the top broadcast experience at a superior quality.

Together with ACT end-to-end HFC and FTTX network solution, the powerful AS951 residential OTT STB equipment enables Network Operators and Services Providers to offer their customers/subscribers with superior Audio and Video experience.

Key Features

- Android 7.0
- Up to 4 Kx2K@60fps(10bit)
- Enhanced 3D GPU
- WiFi 802.11 a/b/g/n/ac 2.4G/5G Dual Band 2T×2R
- Bluetooth V4.0
- DVB T/T2
- ABV CAS (option)
- Flexible Audio Video Outputs
- Easy Installation and Setup
- Remote Management
- Fully Compatible with Open
- International Protocol

Specifications

Item	Description
Embedded Architecture	
SOC	Hi3798MV200 ARM Cortex A53 Quad-core CPU
CPU	Single-core 2.0 GHz
GPU	Mali-450*4
eMMC	8 GB
DDR4	1 GB
OS	Android 7.0
ABV CAS	Supported
Video	
Decoding Standard	H.264/AVC MP & HP up to L5.0 High Tier
	H.265 Main10 Profile@L5.1High-tie
Video Format	PAL / NTSC
Aspect Ratio	4:3 and 16:9
Out Definition	720p, 1080i, 1080p, 2160p
	H.264 1080p@60fps, 2160p@60fps
	H.265 1080p@60fps, 2160p@60fps
Video Output	CVBS, HDMI2.0a
Audio	
Decoding Standard	-MPEG (Layer1, 2), MP3
Volume Control	32-level adjustable, mute
Audio Output	Mono / Stereo, HDMI2.0a

Protocol

IP Protocol	IPv4
Network Protocol	TCP/IP, HTTP, POP3, DHCP, DNS, FTP, NTP, SSL, PPPoE, SNMP, SMTP
Streaming Protocol	IPTV Multicast (IGMP)
	Video on Demand (RTSP/RTP control)
	HLS
Transport Protocol	TS over UDP, TS over RTP
DVB-T/T2 Features	Full compliance with DVB-T
	Full compliance with DVB-T2
	Supports 1.7MHz/5MHz/5MHz/7MHz/8MHz bandwidths
	Special processing for large impulse noise handing
	Outstanding multipath, performance, especially for time-varying echoes

Input and Output Interface

Front Panel	2× LED for IR, Power indicate
	1× IR Receiver
	3 x Digital Tube
Rear Panel	RF Input: 1×IEC169-2 connecter, F-Type
	Digital Audio/Video Output: 1× HDMI
	Ethernet Interface: 1×10/100M Base-T, RJ45
	USB2.0 Host ×1
	12V/1A DC IN Jack for Power Supply
	Power Switch ON/OFF
	SPDIF
Side	USB2.0 Host ×1
	Smart Card X 1
	SD Card x 1
Internal	WiFi & BLE: 802.11 a/b/g/n/ac 2.4G/5G 2T×2R with BLE
OSD	3D Graphic Acceleration:
	-OpenGL E2.0/1.1
	-OpenVG1.1
	2D Graphic Acceleration
	Color: 32-bit ARGB for Video
	Alpha Blending: 256 levels
	OSD Flicker Filter
	Picture-in-Graphics
Application Software	Embedded Browser:
	-HTML5.0, JavaScript 1.5, Webkit
	-Picture Format: GIF, JPEG, BMP, PNG, etc.
	Support for Multiple PID's Provided
	Support Remote Configuration and Diagnosis
	Support Online Software Upgrade

Others

Dimensions (W×D×H)	180 mm × 123 mm × 29.4 mm
Power Consumption	<10 W

Ordering Information

Product Name	Product Description
AS951 OTT STB	Quad-Core DVB-T/T2 OTT Hybrid 4K STB

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