

深圳金亚太科技有限公司
Shenzhen Geniatech Co.,Ltd.

SPECIFICATION

MODEL:ATV315Y4

APPROVED BY GENIATECH		
PREPARED BY 编写	CHECKED BY 审核	APPROVED BY 批准

Please return the original copy after approved by your company with seal and signature.
请在贵公司盖章并签字后寄回正本一份。

APPROVED BY CUSTOMER		
COMMENTS 确认意见	APPROVED BY 批准签字	COMPANY SEAL 盖章

Website: www.geniatech.com

Address: Room 1002-1004, Block A, Building 8, Shenzhen International Innovation Valley, Dashi Road, Nanshan District, Shenzhen, Guangdong, China

CONTENT

1.GENERAL DESCRIPTION.....	1
2.PRODUCT PICTURE.....	1~2
3.FEATURES.....	3
4. Support FORMATS.....	4
5. PRECAUTIONS FOR USE	4

Revision History

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2021/08/04				
V1.1	2021/12/31				

1. GENERAL DESCRIPTION

ATV315Y4 uses Amlogic ultra-low power SOC (S905Y4) and has a new generation of AV1 video standard. It is fully functional and convenient:

(I) Quad core ARM Cortex-A35 CPU @ 2.0GHz, ARM G31 MP2 GPU

(II) support Android 11.0 OS

(III) 2GB RAM, 8GB eMMC

(IV) support 802.11.a/b/g/n/ac(2.4G&5.0G optional)

(V) support BT5.0 (4.2 optional)

(VI) Support Ethernet 10 / 100M

(VII) Support Watch dog & RTC

(VIII) Support 1 * HDMI out + 1 * AV out

(IX) Built-in 1 * USB2.0 (Contains an OTG) + 1 * IR reception

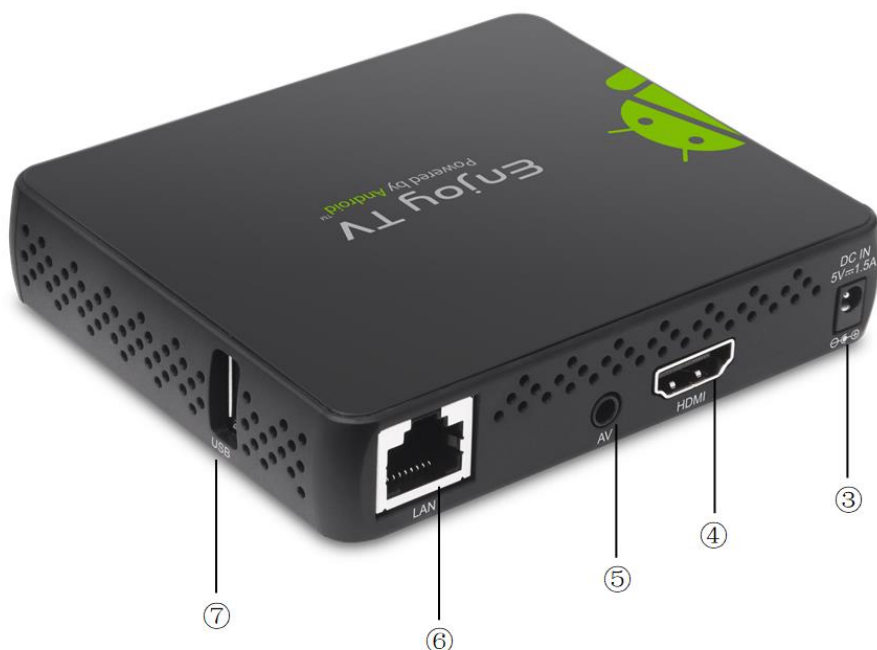
(X) can be used for rich multimedia activities such as live webcasts and on-demand videos.

2. PRODUCT PICTURE

Below pictures are for reference only, please prevail in kind.



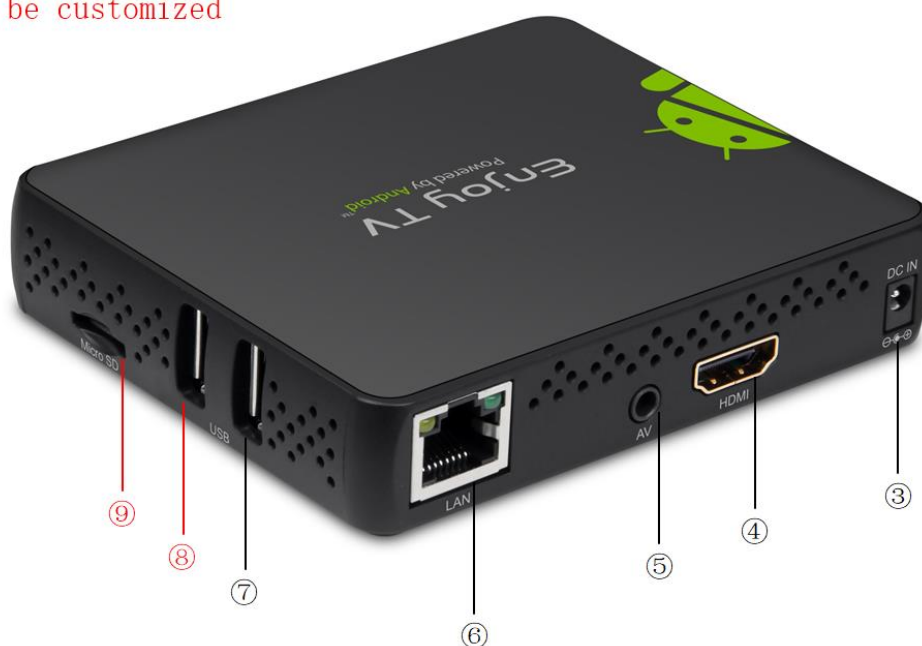
No.	Name	Description
1	IR reception	1 * IR reception
2	Status LED	1 * Status LED (Red/Blue)



Neutral products default is black as configuration

No.	Name	Description
3	DC IN	1 * DC IN (5V/2A)
4	HDMI	1 * HDMI out
5	AV	1 * AV out
6	LAN	1 * RJ45 (10/100M)
7	OTG (USB2.0)	1 * OTG (shared USB2.0)
8	USB2.0	1 * USB2.0---Default: None, optional
9	Micro SD	1 * Micro SD (MAX:256G)--- Default: None, optional

housing with red letter ⑧⑨ (including the Mainboard interface) can be customized



3.FEATURES

CHIPSET		Amlogic S905Y4
MARKET AREA		Global
OSD LANGUAGE		English/Chinese (multi language OSD)
Processor	OS	Android 11.0
	CPU	Quad core ARM Cortex-A35 CPU @ 2.0GHz
	GPU	ARM G31 MP2 GPU
	DDR	2GB (4G Optional)
	EMMC FLASH	8GB (16G/32/64G Optional)
NETWORK	WiFi	802.11.a/b/g/n/ac (2.4G/5.0G Optional)
	Bluetooth	BT5.0 (4.2 Optional)
Standby Power		<0.5W
I/O	HDMI OUT	1 * HDMI out
	AV out	1 * AV out
	LAN	1 * 10/100M
	USB 2.0	1 * USB2.0
	OTG	1 * OTG (Shared USB2.0 interface)
	Micro SD	1 * Micro SD
	DC IN	1 * DC IN
	IR reception	1 * IR reception
	LED	1 * (Red/Blue)
Size		101.8*85.2*22.8mm
DC IN		5V/2A /Φ3.5/1.35mm
Adapter		1 * Adapter(AC100 ~ 240V 50/60Hz)
Customizable GUI		We provided GUI customization and we have a vast collection of Launcher created by our R&D team for you to choose from.
Rich Applications		There are over 1 million applications in the market, and supports most famous applications like: Youtube, Facebook, and Twitter, etc..

4.Support Formats

Media Remark	Codec	Remark
VIDEO	AV1	up to MP-10/L5.1 4Kx2K@60fps
	MPEG-1	up to MP/HL 1080P@60fps(ISO-11172)
	MPEG-2	up to MP/HL 1080P@60fps(ISO-13818)
	MPEG-4	up to ASP/L5 1080P@60fps(ISO-14496)
	H.264	up to AVC HP@L5.1 : 4Kx2K@30fps
	H.265	Up to HEVC MP-10@L5.1 4Kx2K@60fps
	WMV/VC-1	up to SP/MP/AP : 1080p@60fps
	VP9	up to Profile-2 4Kx2K@60fps
	AVS-P16(AVS+)/AVS-P2	Up to JiZhun Profile 1080P@60fps
	AVS2-P2	Up to Profile 4Kx2K@60fps
	Real Video 8/9/10	Up to 1080P@60fps
	Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg fileformats	
AUDIO	Supports MP3, AAC, WMA, RM, FLAC, Dolby AudioOptional, DTSOptional and programmable with7.1/5.1 down-mixing	
PHOTO	Mjpeg, Jpeg, jpg	

5.Precautions for use

- 1.Relative humidity: ≤85% .
- 2.CPU Operation temperature: 0~ 85℃
- 3.Storage temperature:-10 ~ +60℃
- 4.Operation temperature:0~ +50℃
- 5.Do not squeeze、distort or disassemble the PC.
- 6.Keep the Board away from static electricity .
- 7.Keep the Board away from water and other liquid.
- 8.Don't use long connect wires which may affect performance and image quality.