

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

SPECIFICATION

MODEL:ATV698MAX

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Revision History

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2021/09/28				

1. GENERAL DESCRIPTION

ATV698D MAX is an Enjoy TV BOX with below features:

- (I) 64-bit quad core ARM Cortex A55 CPU ,ARM G31 MP2 GPU.
- (II) IEEE 802.3 10/100/1000M Ethernet MAC controller with RGMII interface
- (III) Built in 802.11b/g/n AC WI-FI module with antenna inside, Wi-Fi frequency range is 2.4G&5.8G
- (IV) Support BT5.0 (4.1 /4.0optional)
- (V) Support 4k2k video local media playback from Micro SD card or USB HDD
- (VI)Support RF Input (ATSC1.0/3.0)
- (VII)Support BT/IR Remote Control
- (VIII)Support Dolby ,AC-4

2. PRODUCT PICTURE

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



No.	Name	Description
1	IR receiver	IR Remote
2	Power light	Standby: Red; Work: blue
3	TF card	TF*1
4	USB OTG	USB OTG3.0*1(support USB upgrade)
5	USB Host	USB Host 2.0*1
6	RF Input	ATSC 1.0/3.0
7	HDMI	One HDMI-out
8	LAN	Ethernet 100/1000M
9	Wifi antenna	External antenna
10	DC IN	5V/2A

3.FEATURES

CHIPSET		Amlogic S905X4-B	
MARKET AREA		Global	
OSD LANGUAGE		English/Chinese (multi language OSD)	
Processor	OS		Android 9.0
	CPU		64-bit quad core ARM Cortex A55 CPU
	GPU		ARM G31 MP2 GPU
	DDR		2GB (4GB Option)
	EMMC FLASH		16GB (8-32G Option)
NETWORK	Ethernet	RJ45, 100/1000M	
	WiFi	IEEE 802.11 b/g/n AC 2.4G/ 5.8G	
	Bluetooth	BT5.0(4.1 /4.0 optional)	
Interface	TF card	TF card *1(max. 256GB)	
	HDMI	HDMI out*1	
	USB Host	USB Host 2.0*1	
	USB OTG	USB OTG 3.0*1	
	DC IN	DC IN*1	
	RF	75 Ohm Digital TV Antenna Input; Receive Frequency: TV48.25~863.28MHz	
ATV698 Size		115x114 x 27mm(Not including antenna)	
Adapter		DC5V / 2A	
Net Weight		267g	

4.Support Formats

Media Remark	Codec
VIDEO	Video/Picture Decoding VP9 Profile-2 up to 4Kx2K@60fps AV1 MP-10@L5.1 up to 4Kx2K@60fps H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps AVS2-P2 Profile up to 4Kx2K@60fps H.264 AVC HP@L5.1 up to 4Kx2K@30fps MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496) WMV/VC-1 SP/MP/AP up to 1080P@60fps AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps MPEG-2 MP/HL up to 1080P@60fps (ISO-13818) MPEG-1 MP/HL up to 1080P@60fps (ISO-11172) RealVideo 8/9/10 up to 1080P@60fps Multiple language and multiple format sub-title video support MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918) Supports JPEG thumbnail, scaling, rotation and transition effects Supports *.mkv*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov,*.iso.*mp4. *.rm and *.jpg file formats Video/Picture Encoding Independent JPEG and H.264 encoder with configurable performance/bitrate JPEG image encoding H. 265 video encoding up to 1080P@60fps with low latency H. 264 video encoding up to 1080P@30fps with low latency
AUDIO	Supports MP3, AAC, WMA, RM, FLAC, Ogg Vorbis ,Opus,SRS Truvolume, Dolby Audio (optional) , DTS (optional) and programmable with 7.1/5.1 down-mixing Low-power VAD Built-in serial digital audio SPDIF/IEC958 input/output, and PCM input/output, SPDIF supports 192KHz 16/24/32bit stereo 3 built-in TDM/PCM/I2S ports with TDM/PCM mode up to 384kHz x 32bits x 16ch or 96kHz x 32bits x 32ch and I2S mode up to 384kHz x 32bits x 16ch Digital microphone PDM input with programmable CIC. LPF: HPF. support up to 8 DMICs Built-in stereo audio DAC Supports concurrent dual audio stereo channel output with combination of analog+PCM or I2S+PCM

5.Precautions for use

- 1.Relative humidity: $\leq 80\%$.
- 2.Storage temperature: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- 3.Operation temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- 4.Do not squeeze ,distort or disassemble the PC.
- 5.Keep the Board away from static electricity .
- 6.Keep the Board away from water and other liquid.
- 8.Don't use long connect wires which may affect performance and image quality.