

Android, Android LED/LCD

Android	Android T972
Processor	Amlogic T972(T962X2) ARM Cortex A55 1.98GHZ
GPU	Penta Core ARM Mail-450
RAM	DDR4 2GB/4GB (LPDDR4)
Storage	16GB eMMC (MicroSD 128GB SD/USB)
OS	Android 9.0

CODEC

CODEC	<ul style="list-style-type: none"> - Amlogic Video Engine (AVE-10) 4Kx2K@75fps - VP9 2-10 8Kx4K@24fps 4Kx2K@60fps - H.265 HEVC MP-10@L5.1 8Kx4K@24fps 4Kx2K@60fps - AVS2-P2 4Kx2K@60fps - H.264 AVC HP@L5.1 4Kx2K@30fps - H.264 MVC 1080P@60fps - MPEG-4 ASP@L5 1080P@60fps (ISO-14496) - WMV/VC-1 SP/MP/AP 1080P@60fps - AVS-P16(AVS) /AVS-P2 JiZhun 1080P@60fps - MPEG-2 MP/HL 1080P@60fps (ISO-13818) - MPEG-1 MP/HL 1080P@60fps (ISO-11172) - 8/9/10 1080P@60fps - MJPEG JPEG (ISO/IEC-10918) - JPEG - *.mkv, *.wmv, *.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm, *.jpg
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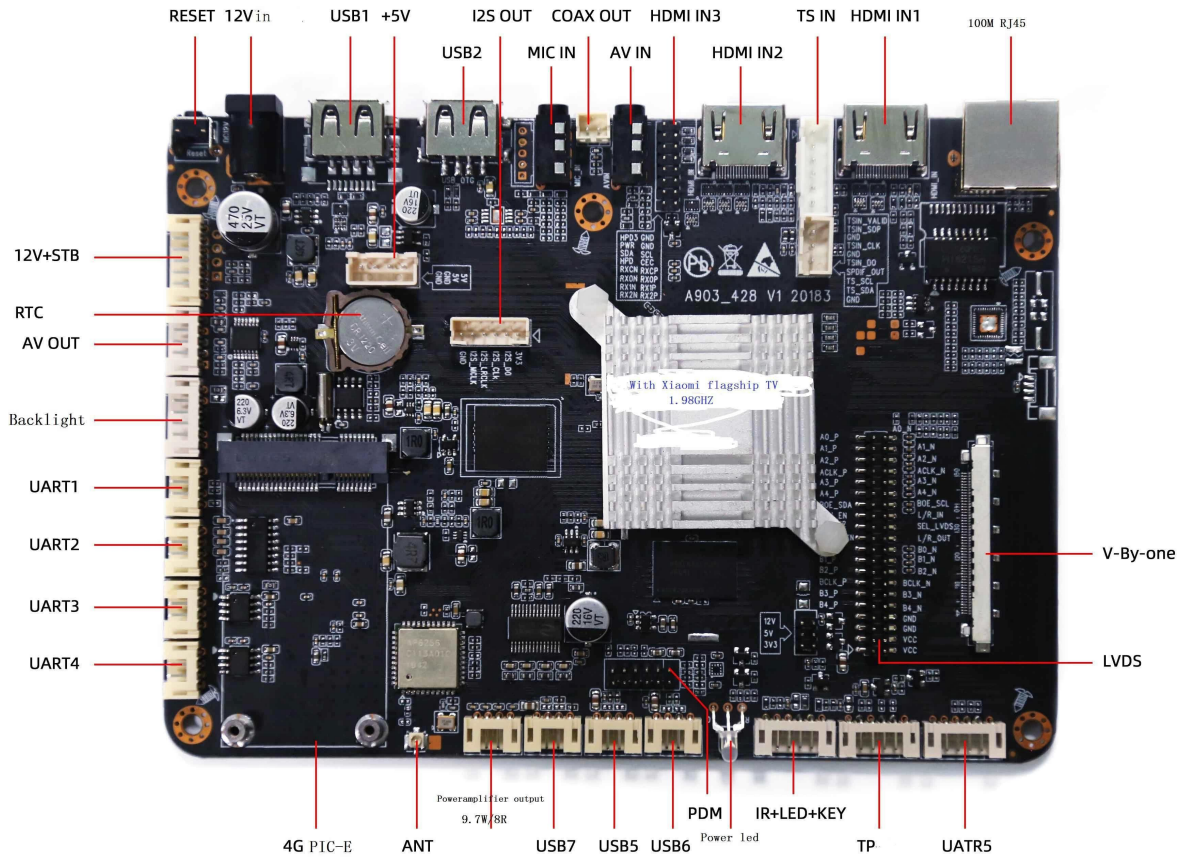
Audio	<p>MP3, AAC, WMA, RM, FLAC, Ogg, Dolby DTS Audio 7.1/5.1</p> <p>VAD AEC</p> <p>TDM/PCM/I2S 3 384kHz x32 x 8ch</p> <p>96kHz x 32 x 32ch I2S 384kHz x 32 x 8ch</p> <p>PDM CIC, LPF HPF</p> <p>DMIC 8</p> <p>SPDIF/IEC958</p> <p>L/R 2 L/R 2</p> <p>I2S PCM</p> <p>Audio EQ/DRC</p>
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Video	<p>HD MPEG1/2/4, H.265/HEVC, HD AVC/VC-1, RM/RMVB, Xvid/DivX3/4/5/6, RealVideo8/9/10</p>
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Format	<p>Avi/Rm/Rmvb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg</p> <p>MP3/WMA/AAC/WAV/OGG/DDP/TrueHD/HD/FLAC</p>
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HD JPEG/BMP/GIF/PNG/TIFF	
1*3.5	
1 * LVDS 40pin 2.0	8bit / 10bit
1 * V-By-one	
HDMI*3	
4 * 2.5	10W8Ω@2
*1 10M/100M RJ45	
2.4G WIFIBT	(WiFi 2.4G/5G)
PCIE(4)x1	
USB2.0	USB OTG * 1
	USB*4
	*2, 6
	*1, 7pin 2.0 LED
	*4
	*1
	*1
STB, 5VSB, 5V, 12V	2.00
	12V / 4pin 2.54

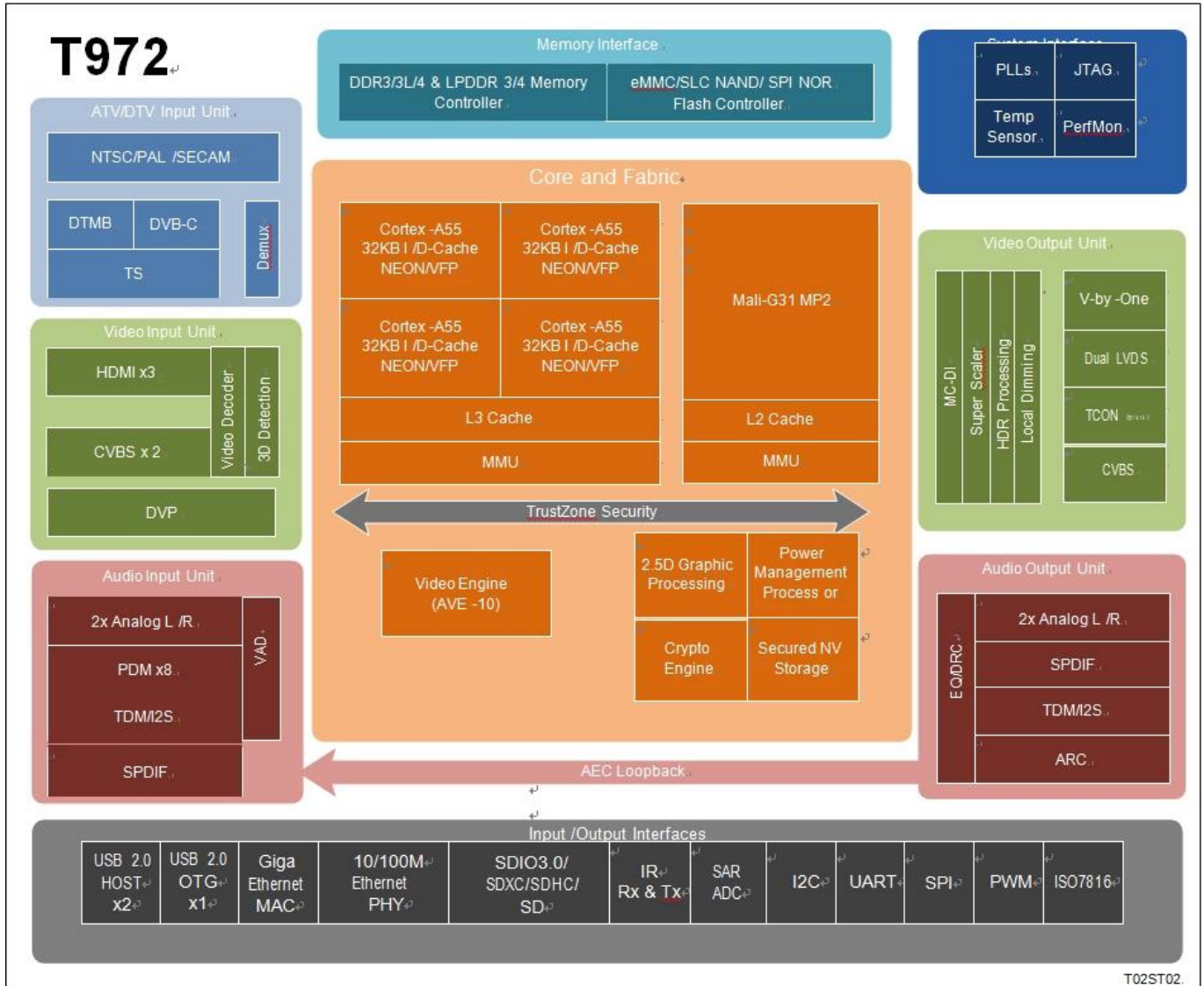
ONENUTS











T02ST02

Amlogic T972 支持 4K/4K 超高清 (UHD) TV 解码，支持 HDR 视频播放，支持 8K/4K 视频播放。CPU 采用 quad-core ARM Cortex-A55，支持 L3 缓存。GPU 采用 ARM Mali-G31 MP2，支持 OpenGL ES 3.2, Vulkan 1.1 和 OpenCL 2.0。支持 2.5D 图形处理。支持 AEC Loopback。支持 CPU 和 GPU 加速。支持 Amlogic Video Engine (AVE-10) 视频引擎，支持 CPU Cortex-A55 和 CODEC 解码。支持 AVE-10 4K2K 视频播放。支持 Trusted Video Path (TVP) 安全视频传输。支持 DRM。支持 MVC, MPEG-1/2/4, VC-1/WMV, AVS, AVS2, RealVideo, MJPEG, H.264, H265-10, VP9-10 和 JPEG。支持 HDR10, HDR10+, HLG 和 Technicolor Prime HDR。支持 BT.2020/ BT.2100。支持

Video V-By-One 8 channels 1, 2, 4 channels 4Kx2K 60Hz
LVDS 1920x1080 60Hz
mini-LVDS (1 channel 6 pins)/(2 channels 3 pins) HD/FHD 1920x1080Hz
CEDS/CHPI/CMPI/iSP 12 UHD TCON 4Kx2K 60Hz
3 channels LCD
Dithering LCD

3x HDMI 2.1 Dynamic HDR, ARC, HDCP 1.4 /2.2, 4Kx2K@60
2x CVBS 480i/576i CVBS (PAL/NTSC)
ITU 601/656 RGB565 8 bits, CCIR656, CCIR601, YUV422, YCbCr422

MP3, AAC, WMA, RM, FLAC, Ogg, Dolby DTS Audio
7.1/5.1
VAD AEC
TDM/PCM/I2S 3 channels TDM/PCM 384kHz x32bits x 8ch
96kHz x 32bits x 32ch I2S 384kHz x 32bits x 8ch
PDM CIC, LPF HPF DMIC
8 channels
SPDIF/IEC958
L/R 2 channels L/R 2 channels
I2S PCM
Audio EQ/DRC

NTSC, NTSC-J, PAL-BG, PAL-DK1, PAL-I, PAL-DK, PAL-M, PAL-N, SE- CAM-DK2,
SECAM-DK3, SECAM-L ATV
BTSC, A2, EIA-J NICAM
V-chip
DTMB/DVB-C/ DTV
Build-in VIF demodulator IF

DTV
3x Transport stream (TS) demux
PWM, I2C SPI
ISO 7816

DRAM 32 4GB
JEDEC DDR3-2133 /DDR3L-2133 /DDR4-2666 /LPDDR3-2133
/LPDDR4-3200 SDRAM
SDSC/SDHC/SDXC SDIO 1 4
2.x/3.x/4.x DS/HS UHS-I SDR104
eMMC 1/4/8
5.0 HS400

Supports SLC NAND
OTP 4K

IEEE 802.3 10/100/1000M MAC RGMII PHY 10/100M
WiFi/IEEE802.11 USB SDIO
Bluetooth USB UART
WIFI BT

I/O
USB I/O USB 2.0, USB OTG
UART, I2C PWMs SPI
IR-blaster
SAR ADC 10 4
IO
DMA
24 MHz
ICE/JTAG

CPU, DRAM
PLL
I/O 1.8V 3.3V

(TEE) Trustzone
OTP, DRAM
RNG
Trusted Video Path (TVP) (SecureOS)
IO

FCBGA, 19 x 19, 0.65, RoHS

Android TV Box
LED/LCD

Android TV

- 1. Android TV Box

RAM

2. Android TV Box

LED/LCD

Android TV Box

3. Android TV

RAM Android TV

4. Wi-Fi, USB, HDMI

Wi-Fi, USB, HDMI

5. Netflix, Hulu, Amazon Prime Video, YouTube

Netflix, Hulu, Amazon Prime Video, YouTube

Android

6. Android TV Box

7. Android TV

8. Android TV Box

Android TV Box

Android TV

1. Android TV Box

2. LED/LCD

LED/LCD

3. Android TV

4. Android TV

