□□ □□11 □□□□□□□□ A311D2 □□□□□□

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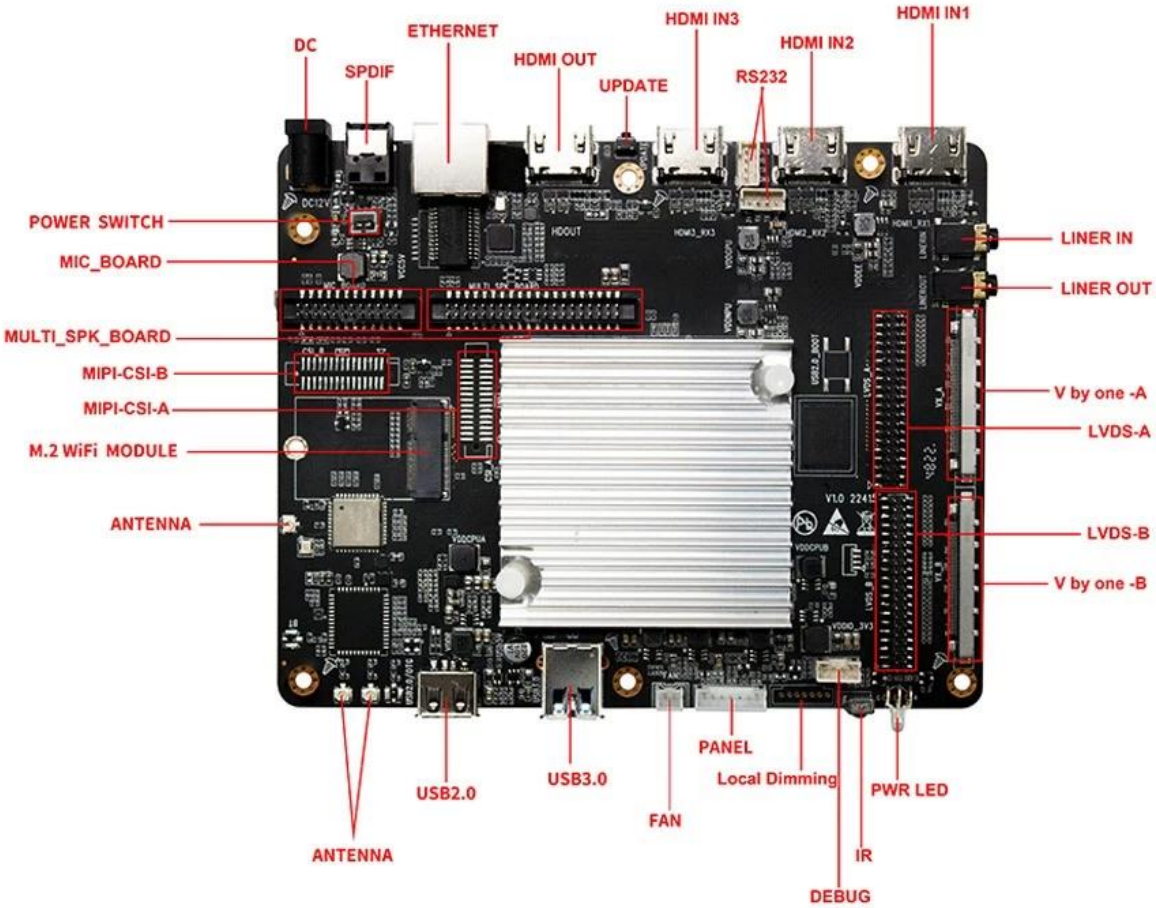
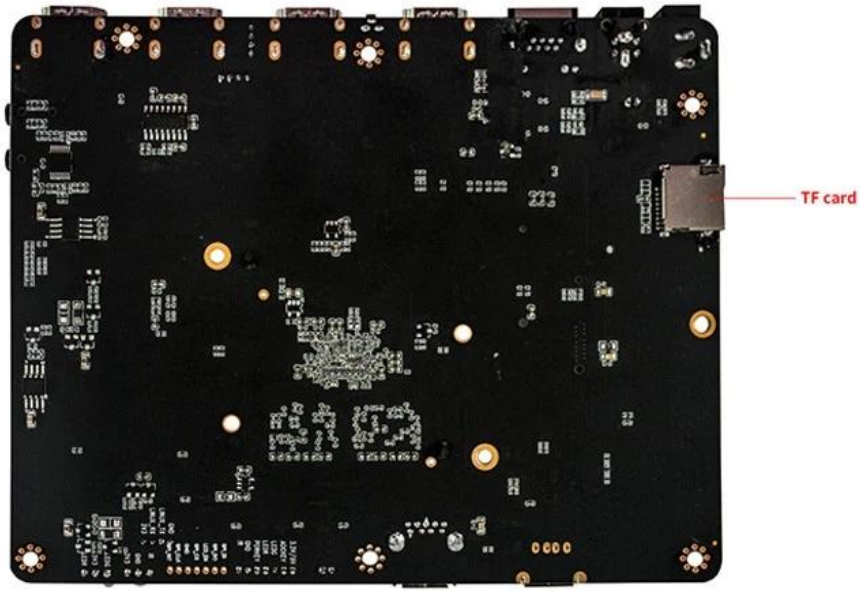
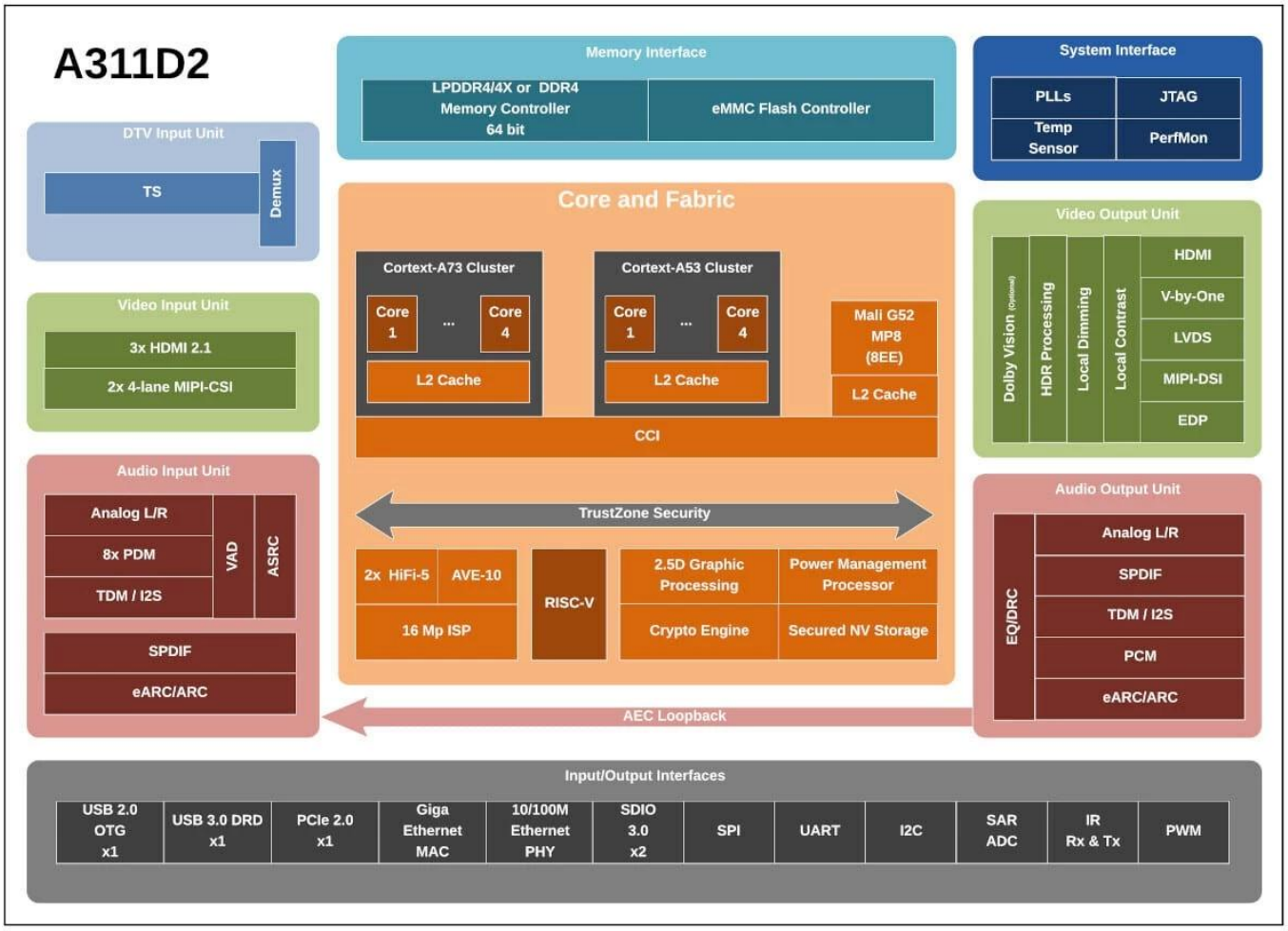
□□	□□ A311D2 □□□□□□
□□□□□	Amlogic A311D2 □□ Cortex-A73 □□ Cortex-A53
□□□□□	ARM Mali-G52 MP8
□□	4GB□□□□□8GB/32GB□
□□□□□	32GB□64GB/128GB/256GB □□□
□□□□	□□11.0
□□□□/□□	□□Wi-Fi□□□□□□□2.4G□□□□□2.4G/5G□□ BT4.2□BT5.0□M.2□□□□□
□□/□□□□	
HDMI□□	3*HDMI□□
HDMI□□	1*HDMI□□
LVDS□□	1□□□/□□□□□□□□50/60Hz LCD
V□□□□	2*8□V-by-One□□□□□4Kp60□□□4K*2K@60Hz□□
□□□□□□	5V/12V□□□□□□□□PWM□□
USB□□	1*USB 3.0 A □□ USB 2.0 A □□□□□□□□□□□□□□□ USB OTG □□□□□
□□	2□□□□2□RS232□2□TTL□□□□□□TF□□□□□□□1□□□□□□□
□□CSI	2*CSI□□
MIC PDM	□□□□□□□Camera CSI□□□□□□□□□
□□□□	□□I2S□□
□□□	1*RJ45□□□100M/1000M
SPDIF	SPDIF □ COAX □□□□□□
□□□□	AUDIO_□□□□
□□□□	AUDIO_□□□□
□□□□	□□□□□□□□
□□	□□□□□□□□□□□□□□□□□□□
□□□□□	□□□□□□□□□□□□□
□□	□□TF&USB□□□□□OTA□□
□□	5V/12V□□

ONENUTS


DC
SPDIF
ETHERNET
HDMI OUT
UPDATE
HDMI IN3
RS232
HDMI IN2
HDMI IN1
POWER SWITCH
MIC_BOARD
MULTI_SPK_BOARD
MIPI-CSI-B
MIPI-CSI-A
M.2 WiFi MODULE
ANTENNA
LINER IN
LINER OUT
V by one -A
LVDS-A
LVDS-B
V by one -B
ANTENNA
USB2.0
USB3.0
FAN
PANEL
Local Dimming
DEBUG
IR
PWR LED

ONENUTS




A311D2
Memory Interface
LPDDR4/4X or DDR4 Memory Controller 64 bit
eMMC Flash Controller
System Interface
PLLs
JTAG
Temp Sensor
PerfMon
DTV Input Unit
TS
Demux
Core and Fabric
Cortext-A73 Cluster
Core 1
...
Core 4
L2 Cache
Cortext-A53 Cluster
Core 1
...
Core 4
L2 Cache
Mali G52 MP8 (8EE)
L2 Cache
CCI
Video Output Unit
Dolby Vision (Optional)
HDR Processing
Local Dimming
Local Contrast
HDMI
V-by-One
LVDS
MIPI-DSI
EDP
Video Input Unit
3x HDMI 2.1
2x 4-lane MIPI-CSI
Audio Input Unit
Analog L/R
8x PDM
TDM / I2S
VAD
ASRC
SPDIF
eARC/ARC
TrustZone Security
2x HiFi-5
AVE-10
16 Mp ISP
RISC-V
2.5D Graphic Processing
Power Management Processor
Crypto Engine
Secured NV Storage
Audio Output Unit
EQ/DRC
Analog L/R
SPDIF
TDM / I2S
PCM
eARC/ARC
AEC Loopback
Input/Output Interfaces
USB 2.0 OTG x1
USB 3.0 DRD x1
PCIe 2.0 x1
Giga Ethernet MAC
10/100M Ethernet PHY
SDIO 3.0 x2
SPI
UART
I2C
SAR ADC
IR Rx & Tx
PWM
T08ST01

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