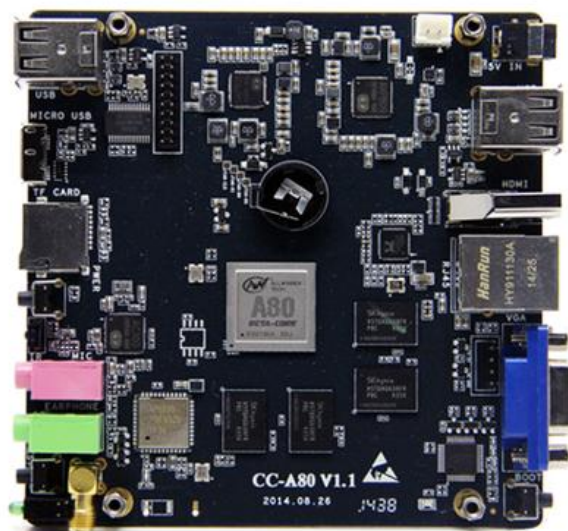
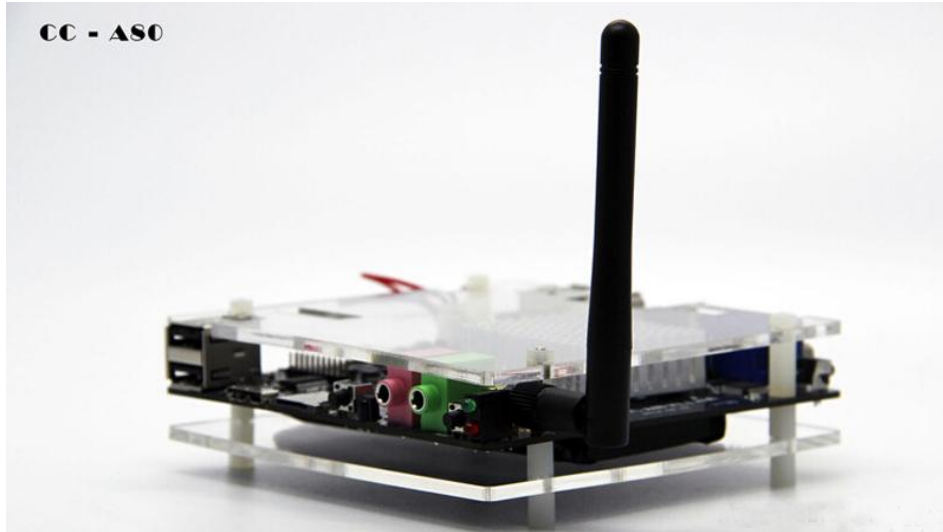


# CC - A80



SOC	Allwinner A80, Octa-Core big-LITTLE A15/A7, 28nm CPU: Arm Cortex A15x4 up to 2.0GHz, A7x4 up to 1.3GHz GPU: PowerVR 64-core G6230	
Memory	2GB, 64bit, dual channel, 1600MTPS	
Storage	EMMC, up to 64GB, default 8GB, write/read speed 25MB/s	
TF card	Micro SD card slot, SD card specification V2.0	
USB	USB 2.0 host x 4 USB 3.0 OTG x 1	
Display	HDMI Port A, HDMI V1.4 VGA, support 1080P resolution output	
Ethernet	10M/100M/1000M NIC	
Wireless	Wifi: 2.4G/5.8G, dual band, 300Mbps Bt: BT4.0+EDR	
IR	IR receiver Philips standard	
Real time clock	Support 1220 size rechargeable button cell	
Audio	Support 3.5 headphone jack for Audio output Support 3.5 jack for Micphone	
Power	DCIN 5V@2.5A power Support USB 3.0 jack power Support 3.7V Li-Po battery	
Keys	Power key, Reset key, Reboot key	
Leds	Power Led x 1, User Led x 2	
Debug Port	UART0 and JTAG. Some I2C interface to peripherals.	

**CC - A80**



#### **Features:**

CPU Octa-core big.LITTLE Cortex-A15/7

GPU 64-core IMG PowerVR G6230

#### **Video**

Supports UHD H.264/VP8 4Kx2K@30fps video playback

Supports multi-format FHD video decoding, including MPEG 1/2/4, H.263, H.264, WMV9/VC-1, etc

Supports H.265/VP9 1080p@30fps video playback

Supports H.264 HP/VP8 4Kx2K@30fps video capture

Supports 3840x1080@30fps 3D decoding, BD/SBS/TAB/FP supported

Supports RTSP, HTTP, HLS, RTMP, MMS streaming media protocols

#### **Display**

Supports dual-channel LVDS 1920x1080@60fps

Supports RGB LCD 2048x1536@60fps

Supports 4-lane MIPI DSI 1920x1200@60fps

Supports 4-lane eDP 2560x1600@60fps

Supports HDMI 4K output

#### **Camera**

Integrated parallel and MIPI I/F sensor

Supports 5M/8M/12M/16M CMOS sensor

Supports 8/10/12-bit YUV/Bayer sensor

#### **Memory**

Supports dual-channel DDR3/DDR3L/LPDDR3/LPDDR2, up to 8GB

Supports Raw NAND with 72-bit ECC

Supports eMMC V4.5

PMIC AXP806 and AXP809

#### **Connectivity**

2x USB Host, USB 3.0/2.0 Dual-Role (host/device)

Ethernet MAC

4x SPI, 7x TWI, 7x UART

4x SD/MMC

HSIC

PCM/I2S

Package FCBGA 636 balls, 0.65mm ball pitch, 19mm x 19mm

Process 28nm HPM

## CC - A80



Package including: **not include the glue and button cell.**

- CCA80 main board x1
- Micro 3.0 USB cable x1
- Micro 3.0 USB OTG x1
- 5G/ 2.4G antenna x1
- Simple case x1
- Screw
- Heatsink x1

