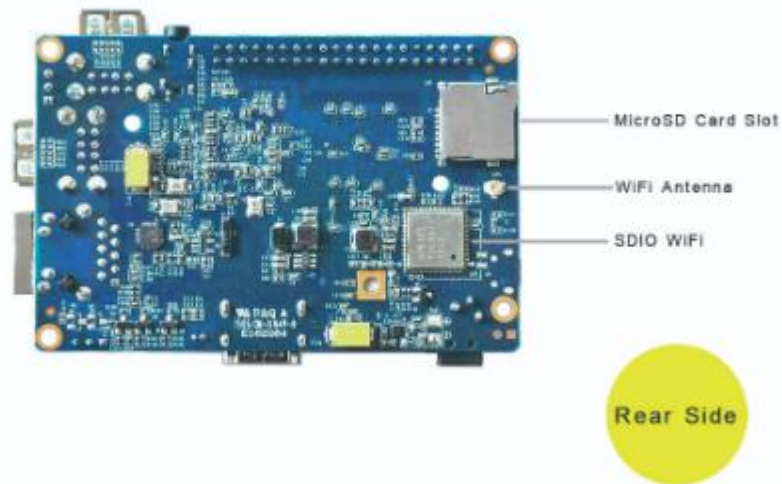
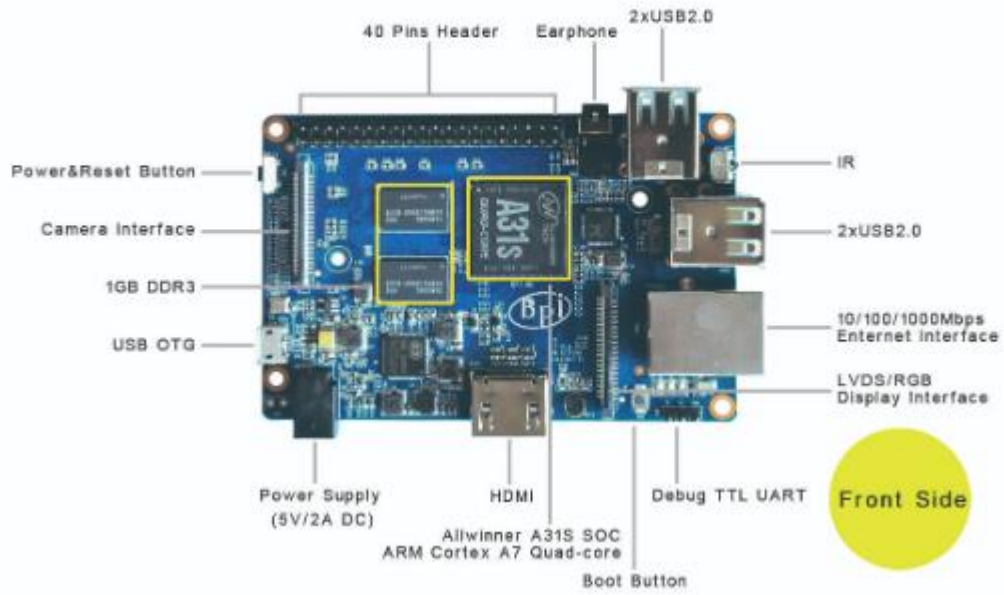


Banana PI M2



Hardware Specification of Banana pi BPI-M2	
Soc	A31S ARM Cortex-A7
CPU	A31S ARM Cortex-A7 quad-core, 256 KB L1 cache 1 MB L2 cache
GPU	PowerVR SGX544MP2 - Comply with OpenGL ES 2.0, OpenCL 1.x, DX 9_3
SDRAM	1GB DDR3 (shared with GPU)
Power	5V @ 2A via DC power and/or MicroUSB (OTG)
Features	
Low-level peripherals	40 Pins Header, 28xGPIO, some of which can be used for specific functions including UART, I2C, SPI, PWM, CAN, I2S, SPDIF, LRADC, ADC, LINE-IN, FM-IN, HP-IN.
On board Network	10/100/1000Mbps ethernet (Realtek RTL8211E/D)
Wifi Module	WiFi 802.11 b/g/n (AP 6181 module on board)
Bluetooth	Optional
On board Storage	MicroSD (TF) card, Not SATA support
Display	Supports multi-channel HD display: <ul style="list-style-type: none"> HDMI 1.4 (Type A - full) LVDS/RGB/CPU display interface (DSI) for raw LCD panels Composite video (PAL and NTSC) (via 3.5 mm TRRS jack shared with audio out) 11 HDMI resolutions from 640x480 to 1920x1080 plus various PAL and NTSC standards
Video	HD H.264 2160p video decoding <ul style="list-style-type: none"> Mutil-format FHD video decoding, including Mpeg1/2, Mpeg4, H.263, H.264, etc H.264 high profile 1080p@30fps or 720p@60fps encoding
Audio outputs	HDMI, analog audio (via 3.5 mm TRRS jack shared with composite video out), I2S audio (also potentially for audio input)
Camera	Parallel 8-bit camera interface
Audio input	On board microphone
USB	4 USB 2.0 host, 1 USB 2.0 OTG
Buttons	Reset button Power button & U-boot button
Leds	Power status Led and RJ45 Led
Other	IR reciever
Interface definition	
Sizes	92 mm x 60mm
Weight	45g