

Model No.	UAW-Y3566
CPU	RK3566 Cortex-A55 Quad-core, up to 1.8GHz
GPU	ARM Mali-G52 2EE, supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1; Embedded high-performance 2D acceleration hardware.
NPU	Built-in 1Top Computing power
Multimedia	Supports 4K 60fps H.265/H.264/VP9 video decoding and 1080P 100fps H.265/H.264 video encoding; Supports 8M ISP and HDR
RAM	LPDDR4 2GB (4GB/8GB optional)
STORAGE	Default 16GB_EMMC, Max. 128GB optional
MIPI-DSI	31-Pin FPC MIPI-DSI display port supporting up to 1920×1200
LVDS	30-pin industry-standard dual LVDS supporting VESA/JEITA format up to 1080P output
EDP	30-pin FPC EDP supporting 1~2 lanes format up to 1920×1200 output
Multi Display	Supports dual screen synchrony display
Amplifier output	8 Ohm 6W Dual Audio Amplifier Output
Line Output	Support standard left and right channel line output (pin header)
MIC Input	Differential MIC input (pin header)
Line Input	Support standard left and right channel line input (pin header)
Usb Camera	Support USB camera within 8 million pixels
USB	3 horizontal connectors (USB 3.0×1+USB2.0x1+USB OTGx1), 7 pin headers (USB 2.0 Hubx6+USB 2.0 Direct x1)
Serial Port	3 TTL/RS-232 compatible pin header, 1 TTL/RS-232 compatible DB-9
I2C Bus	I2C pin header for I2C capacitive screen and etc
GPIO Signals	5 GPIO signals for such as GPIO buttons and/or 3.3V digital input/output
Buttons	Recovery mode button and power switch button
Backlight Control	Industry standard LCD backlight control header, support for backlight switch and brightness adjustment
Infrared RC	Infrared remote control receiver pin header
LED Indicator	Red LED indicator for standby, Green LED indicator for running, Blue LED for link status
Bluetooth	High performance BT module,support BT v4.0/BT v5.2
Ethernet	1 port 10/100/1000M Adaptive Ethernet RJ45 connector with POE supply pin header
WIFI	Built-in high performance SDIO interface WiFi module, support IEEE 802.11 b/g/n/ac
RTC	Ultra-low-power RTC circuit (CR1220 battery) with timer and alarm functionalities
Voltage	Supports12~24V wide voltage DC power input
Ambient Requirement	Working temperature -20°~70°, working humidity 0%~95% (non-condensing)
Physical Size	Length*Width*Height (100mm*80mm*15mm), PCB top side height 12.3mm
Operation System	Recommended Android 11, Linux Buildroot/Debian 10/Ubuntu-18.04 optional