

Model No.	UK-3566
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
RAM	LPDDR4 2GB (4GB 8GB optional)
STORAGE	Default 16GB_EMMC, Max. 128GB optional
HDMI Output	HDMI 2.0a standard display interface supports up to 4K output
HDMI Input	HDMI 1.4 standard video input interface supports 720P and 1080P signals
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 Screen	Support eDp/HDMI2.0/MIPI/LVDS/24bit RGB/T-CON and dual screen synchrony display
E-Ink Panel	30-pin FPC E-Ink panel up to 2200×1650 output
Amplifier output	8 Ohm 6W Dual Audio Amplifier Output
Line Output	Support standard left and right channel line output (pin header + headphone jack)
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	2 horizontal connectors (USB 3.0×1 and USB2.0×1), 7 pin headers (USB 3.0×1 and USB 2.0×6)
SATA	Standard SATA 3.0 hard disk port with power supply header
TF CARD	Self-elastic micro SD card socket, up to 256GB capacity
Serial Port	1 TTL, 2 TTL/RS-232 compatible, 2 TTL/RS-232/RS-485 compatible
I2C Bus	I2C pin header and FPC for I2C capacitive screen and etc
GPIO Signals	8 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	Standard infrared remote control receiver and infrared receiver pin header
LED Indicator	Red LED indicator for standby and green LED indicator for running
Bluetooth	High performance BT module,support BT v4.0/BT v5.2
Ethernet	1 port 10/100/1000M Adaptive Ethernet RJ45 connector + 4-Pin POE header
WIFI	Built-in high performance SDIO interface WiFi module, support IEEE 802.11 b/g/n/ac
4G/5G	Industry standard Mini PCI-E 4G module interface
RTC	Ultra-low-power RTC circuit (CR1220 battery) with timer and alarm functionalities
Voltage	Supports 9~15V wide voltage DC power input
Ambient Requirement	Working temperature -20°~70°, working humidity 0%~95% (non-condensing)
Physical Size	Length*Width*Height (135mm*95mm*9mm), PCB top side height 7mm
Operation System	Recommended Android 11, Linux Buildroot/Debian 10/Ubuntu-18.04 optional