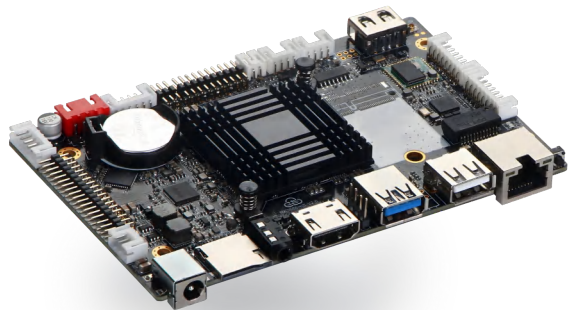


RK3566HIS

Motherboard

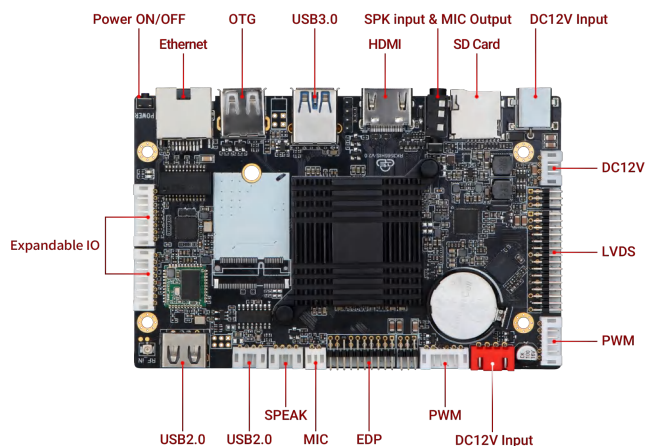
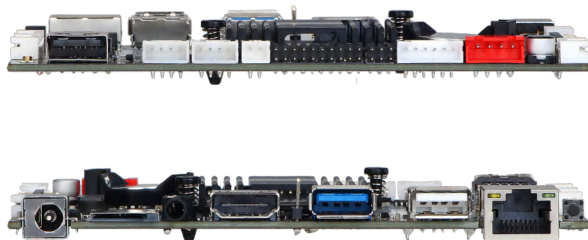
RK3566HIS
Digital Signage Motherboard



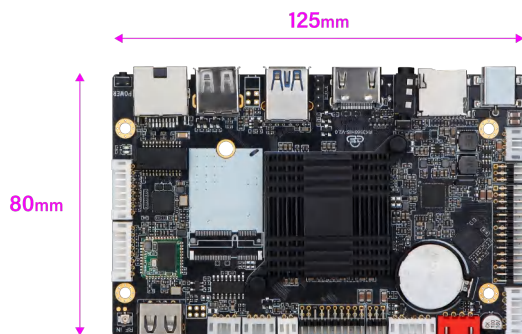
Product Features

- Quad-core 64-bit Cortex-A55 processor, with a maximum frequency of 1.8GHz, built using 22nm advanced process technology
- Low-power intelligent power management system
- Integrated G52 GPU, with a built-in independent NPU (Neural Network Processing Unit), providing 0.8 TOPS of computational power
- Supports a variety of lightweight operating systems

Interface Layout



Product Dimension



System	SOC	Mali-G52
	CPU	RK3566
	NPU	0.8 TOPS
	Memory	2GB
	Storage & Expansion	16GB / eMMC
Video	GPU	ARM G52 2EE
	Hardware Codec	Supports 4K 60fps video decoding in H.265, H.264, and VP9 formats Supports 1080P 60fps video encoding in H.265 and H.264 formats Supports 8M ISP (Image Signal Processor), with HDR support
	Display Interfaces	1 × HDMI 2.0, supports 4K@60fps output Maximum HDMI resolution: 4096×2304@60Hz LVDS + eDP
Network	Ethernet	Gigabit Ethernet (RJ45, 1000 Mbps)
	Wireless Network	Wi-Fi + Bluetooth module
I/O	USB	USB2.0 *2, USB3.0 *1, USB *1(DIP)
	RS232	Not supported
	Audio	AUX 3.5mm headphone output / microphone input
	SIM	Optional
Others	Watchdog	Supported
	RTC	Supported
Power Input	Power Input	DC 12V-3A
	Buttons/Indicators	Supported
Physical Parameters	Board Dimensions	125mm × 80 mm (4.92 in × 3.15 in)
	Package Dimensions	180mm × 75 mm × 35mm (7.09 in × 2.95 in × 1.38 in)
	Net Weight	0.09 kg (0.20 lbs)
	Gross Weight	0.44 kg (0.97 lbs)
Software	Operating System	Ubuntu20.04, CentOS8.3, Debian10, openEuler
Environment	Operating Temperature	-10~40°C (14~104°F)
	Storage Temperature	-10~40°C (14~104°F)
	Operating/Storage Humidity	0~85%RH (Non-condensing)
	Safety Certifications	CCC, CE, ISO

Product Model	SOC	Memory	Flash	LAN	RS485	RS232	HDMI	WiFi	TF	SIM
RK3566HIS	RK3566	2GB	16GB eMMC	1	0	0	1	1	1	0

■ Packing List

Accessories	Description
Power Adapter	DC 12V-3A
WiFi Antenna	SMA *1
VESA Mount Kit	None
User Manual	None
Certificate of Compliance	None

■ Optional Accessories

Accessories	Description
128GB eMMC	Customizable
256GB eMMC	Customizable
512GB eMMC	Customizable