



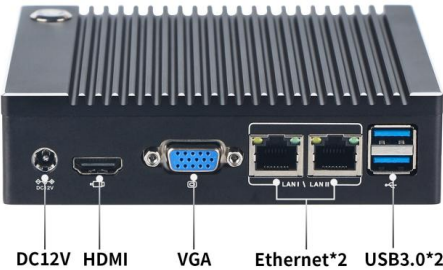
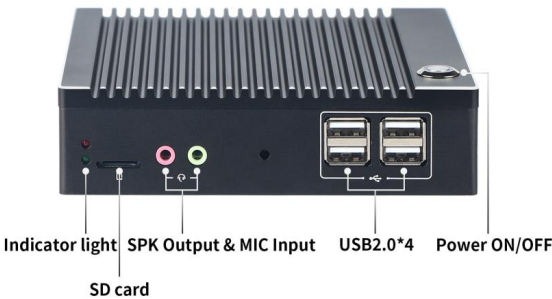
Product Features

- Quad-core ARM Cortex-A55, with a clock speed of up to 2.0GHz per core
- Mali-G52 GPU, supports OpenGL ES 3.2
- Built-in 0.8 TOPs AI-accelerated Neural Network Processing Unit
- Widely used in industrial control, edge computing, Ai intelligent mapping and other fields.

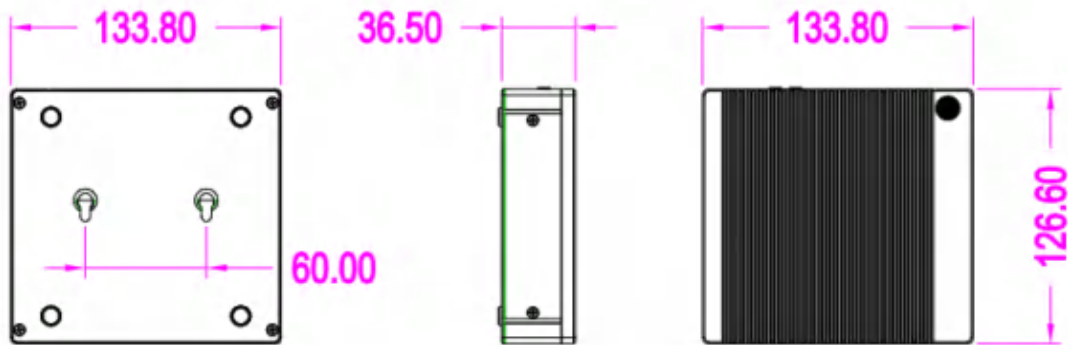


docker

Interface Layout



Product Dimension



System	SOC	Cortex-A55
	CPU	RK3568
	NPU	0.8TOPS
	Memory	2GB LPDDR4
	Storage & Expansion	16GB eMMC
Video	GPU	ARM G52 2EE, supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 Built-in high-performance 2D acceleration hardware
	Hardware Codec	Supports 4K 60fps H.265/H.264/VP9 video decoding Supports 1080P 60fps H.265/H.264 video encoding Supports 8M ISP and HDR
	Display Interfaces	1 × HDMI 2.0, supports 4K@60fps output VGA maximum resolution: 1920×1080@60Hz
Network	Ethernet	Dual Gigabit Ethernet (RJ45, 1000 Mbps, supports expansion)
	Wireless Network	Supports Wi-Fi + Bluetooth module (M.2 PCIe, optional)
I/O	USB	2 × USB 3.0, 4 × USB 2.0
	RS232	Not supported
	Audio	AUX 3.5mm headphone output + AUX 3.5mm microphone input
	SIM	Not supported
Others	Watchdog	Optional
	RTC	Supported
Power Input	Power Input	DC 12V-2A
	Buttons/Indicators	Supported
Physical Parameters	Chassis Dimensions	133.8mm × 126.6mm × 36.5mm
	Package Dimensions	245mm × 190 mm × 60mm
	Net Weight	0.55kg (0.88 lbs)
	Gross Weight	1.2kg (2.2 lbs)
Software	Operating System	Ubuntu 20.04, Kylin V10
Environment	Operating Temperature	-40~52°C (-40~125.6°F)
	Storage Temperature	-40~85°C (-40~185°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
X8	RK3568	2GB LPDDR4	16GB eMMC	2	0	0	1	Optional	1	0

■ Packing List

Accessories	Description
Power Adapter	DC 12V-2A
WiFi Antenna	None (built-in antenna)
VESA Mount Kit	Wall mount *1, accessory screw pack *1
User Manual	Universal version *1
Certificate of Compliance	Universal version *1

■ Optional Accessories

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