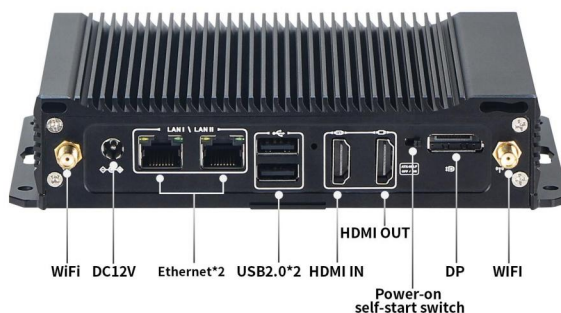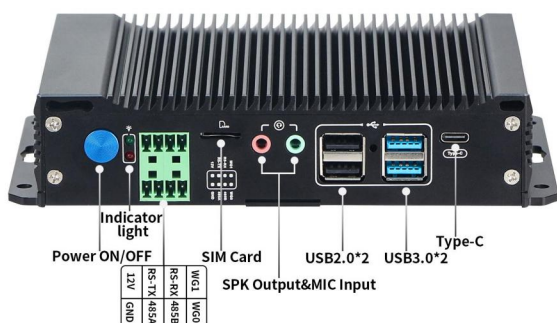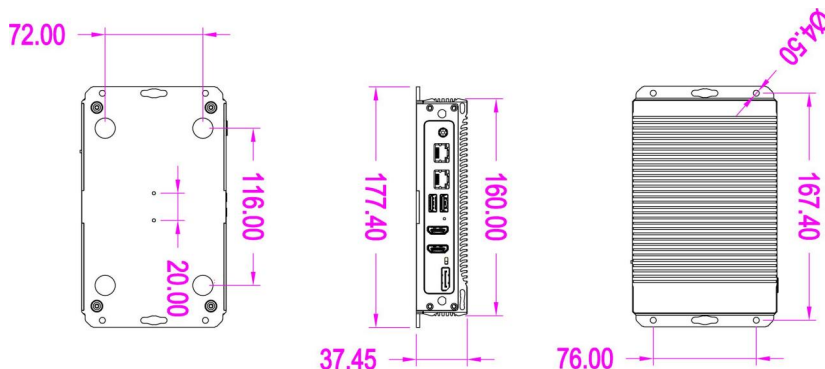# K730-F1
RK3576

Product Features

- Built on advanced 8nm process with 64-bit octa-core architecture for high performance and low power consumption
- Integrated ARM Mali-G52 MC3 GPU with built-in 2D graphics acceleration engine
- 6 TOPS NPU , Support the installation of computing power sticks,empowering various AI scenarios.
- Supports 8K video encoding and decoding, with HDMI IN for image input
- Equipped with multiple display interfaces, enabling multi-screen independent output
- Integrated 48MP ISP for advanced image processing
- Supports high-speed expansion interfaces including PCIe, Type-C, and Gigabit Ethernet
- Compatible with Android and Linux operating systems

■ Interface Layout

Indicator light
Power ON/OFF
SIM Card
USB2.0*2
USB3.0*2
Type-C
SPK Output&MIC Input
12V GND
RS-TX 485A
RS-RX 485B
WG1
WG0

WiFi DC12V Ethernet*2 USB2.0*2 HDMI IN HDMI OUT Power-on self-start switch DP WIFI

■ Product Dimension

72.00
116.00
20.00
177.40
160.00
37.45
Ø4.50
167.40
76.00

Category	Parameter	Specification
System	SOC	4×A72 + 4×A53
	CPU	RK 3576
	NPU	6 TOPS AI performance Support the installation of computing power sticks M.2 2280 NVME
	Memory	8 GB
	Storage & Expansion	64 GB eMMC storage; M.2 2280 NVMe SSD slot
Video	GPU	ARM Mali-G52 MC3, supports OpenGL ES 1.1 / 2.0 / 3.2, Vulkan 1.1, OpenCL 2.0 Full Profile; Integrated 2D Graphics Engine (RGA)
	Hardware Codec	JPEG encoder/decoder; 8K video encoding (H.265/H.264); 8K 10-bit decoding (H.265/H.264/VP9/AV1)
	Display Interfaces	HDMI IN ×1, HDMI OUT ×1, DP ×1
Network	Ethernet	2 × RJ45 ports, 10/100/1000 Mbps
	Wireless Network	Dual-band WiFi (2.4G + 5G), Bluetooth supported
I/O	USB	2 × USB 3.0, 4 × USB 2.0
	IO	1 × RS232, 1 × RS485, 1 × Wiegand port
	Audio	1 × 3.5mm headphone out, 1 × 3.5mm microphone in
	SIM	1 × SIM card slot, supports internal 4G / 5G module
Others	Watchdog	Customizable support
	RTC	Supported
Power Input	Power Input	DC 12V / 2A
	Buttons/Indicators	Red/Green LED
Physical Parameters	Chassis Dimensions	178mm × 105mm × 38mm (7.01 in × 4.13 in × 1.50 in)
	Package Dimensions	213mm × 210mm × 50mm (8.39 in × 8.27 in × 1.97 in)
	Net Weight	0.68 kg (1.50 lbs)
	Gross Weight	1.3 kg (2.87 lbs)
Software	Operating System	Android14.0 , Ubuntu22.04 , Debian11
Environment	Operating Temperature	-10℃ ~ 40℃
	Storage Temperature	0℃ ~ 40℃
	Operating/Storage Humidity	0~85% RH (non-condensing)
	Safety Certifications	CCC, CE, ISO

Product Model	CPU	Memory	Flash	LAN	RS485	RS232	HDMI	WiFi	TF	SIM
K730	RK3576	8 GB	64 GB (customizable)	2	1	1	2	1	0	1

■ Packing List

Accessories	Description
Power Adapter	DC 12V / 2A
WiFi Antenna	SMA ×1
VESA Mount Kit	Bracket ×1, Screw Pack ×1, Foot Pads ×4
User Manual	Universal ×1
Certificate of Compliance	Universal ×1

■ Optional Accessories

Accessories	Description
4G Module Kit	Quectel EC25-EC series module with antenna
Computing power stick	Hailo-8 26T computing power stick