

.XAB-222404D1

ARM based Box PC with Rockchip RK3568 and support DIN-Rail

Overview

The XAB-222404D1 is an ARM-based embedded computer, a low-power quad-core processor based on quad-core Cortex A55 architecture, compatible with Android 11 or Ubuntu 18.04 operating system. The product integrates Wi-Fi, Bluetooth onboard, and can expand full Netcom 4G/5G communication, CAN port, GPS, providing All-in-one solution.

Features

- 4x COM, 2x LAN, 4x USB
- 1x HDMI, 8x GPIO, 1x Audio
- 1x SIM, 1x TF
- 12VDC Power Input



Android



Fanless



Operating
Temp.

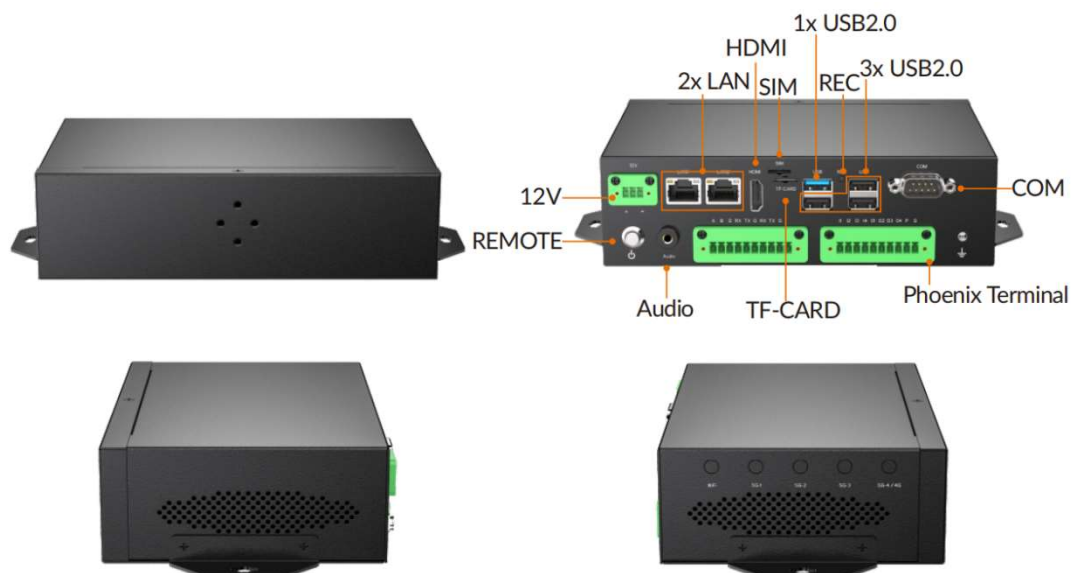


DC Input
12 VDC



Linux

I/O Interfaces



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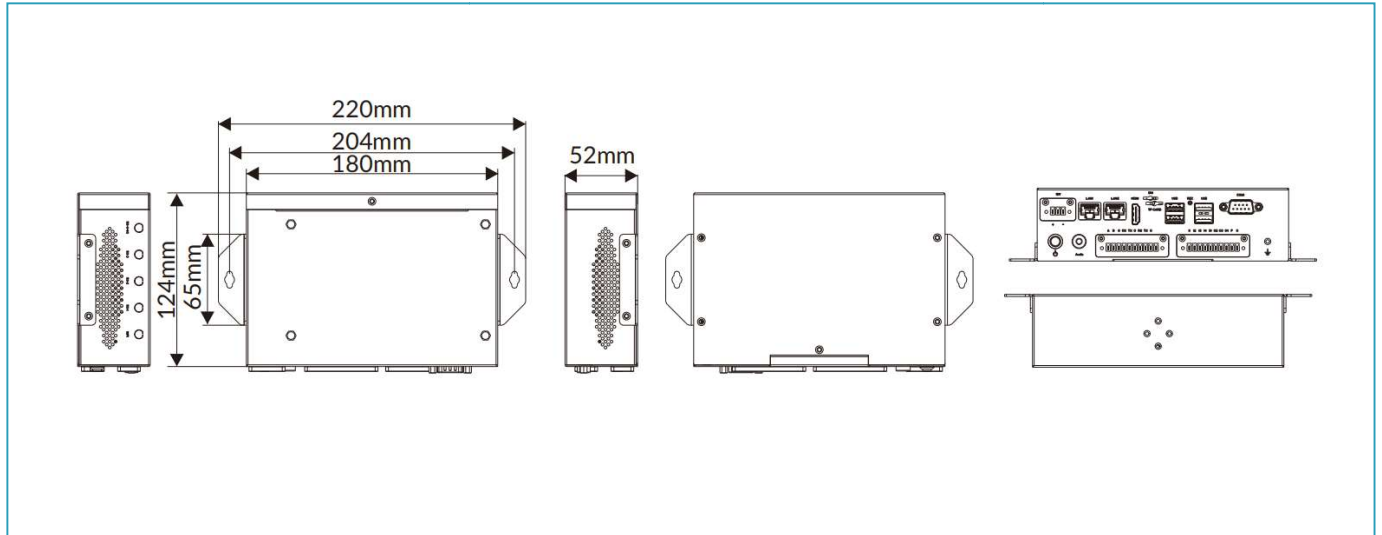
Specifications

SYSTEM	
CPU	RK3568
Frequency	Quad-Core 2.0GHz
GPU	Mali-G52 MP2
NPU	1TOPS
Memory	2/4/8GB SDRAM LPDDR4X-3200MHz on board (Optional)
Storage	16/32/64/128G (Optional)
I/O PORTS	
USB	3x USB 2.0 1x USB3.0
Serial	2x COM RS-485 (Optional) 2x COM RS-232
Ethernet	2x Realtek GBE LAN Chip (RJ45, 10/100/1000 Mbps)
Display	1x HDMI (TYPE-A): max resolution up to 4096x2304@60Hz
SIM Card Slot	1x SIM Header
TF Card Slot	1x TF Card Slot
CAN bus	2x CAN(Optional)
GPIO	8x GPIO(8x DIO Optional)
RF COMMUNICATION	
GNSS	1x GPS/Beidou/Glonass(Optional)
Wi-Fi	1x Micro RF Connector Support Wi-Fi 2.4/5GHz Frequencies by default (2.4GHz Module and Bluetooth 4.2 (support BLE) optional)
Bluetooth	1x Amplifier Header
4G/5G	1x 4G/5G(Optional)
Antenna Hole	5x SMA-type
Expansion Slot	
M.2	1x M.2 (NGFF) Key-B Slot (PCIE 3.0 / PCIE2.0 / USB3.0 / SATA, 2242 /3052)(Optional)
Mini PCIE	1x Mini PCIE(Optional)
AUDIO	
Audio	1x Front Audio Header (Line-Out + MIC)
POWER	
DC Input	12 VDC
Input Type	1x 3-pin terminal block connector
Power Mode	AT/ATX
OPERATING SYSTEM	
OS	Android 11 Ubuntu
MECHANICAL	
Dimensions (W x D x H mm)	180 x 124 x 52 mm (7.09 x 4.88 x 2.05 inches)
Weight (kg)	1kg (2.20pound)
Mounting	Wall-mount
Material	Aluminum alloy
ENVIRONMENT	
Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 60°C
Relative Humidity	10% to 95%, non-condensing

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Dimensions



Ordering Information

Ref.	Description
XAB-222404D1/RK356/432/12V/A11	RK3568, 4+32G, WiFi, 2*LAN, 4*USB, 4*COM, 8ch DIO, 1*HDMI, Android/Ubuntu 18.04, 12V, Phoenix 3P 3.81, No PSU
XAB-222404D1/RK356/864/12V/A11	RK3568, 8+64G, WiFi, 2*LAN, 4*USB, 4*COM, 8ch DIO, 1*HDMI, Android/Ubuntu 18.04, 12V, Phoenix 3P 3.81, No PSU