

.XAB-251104T1

Slim ARM based Box PC with Rockchip RK3568/RK3576/RK3588

Overview

The XAB-251104T1 is an ARM-based embedded computer, with optional Rockchip RK3568, RK3576 and RK3588 processor, compatible with Android and Linux operating system. With a variety of I/O interfaces, it can meet a variety of application interfaces and provide a variety of work performance.

Features

- High-precision all-aluminum alloy body with exquisite texture
- Rich interface, flexible expansion, easy to install
- Powerful open source attributes, breakthrough application limitations, support for secondary development



Android



Fanless



Operating
Temp.

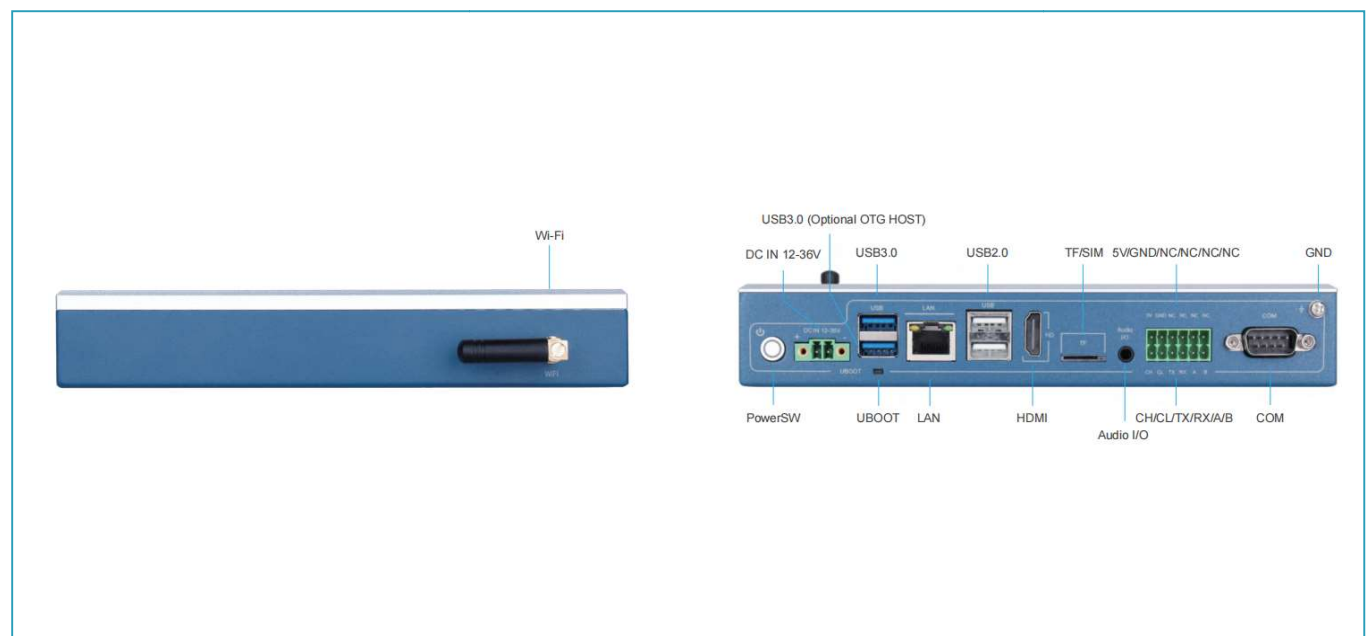


DC Input
12-36 VDC



Linux

I/O Interfaces



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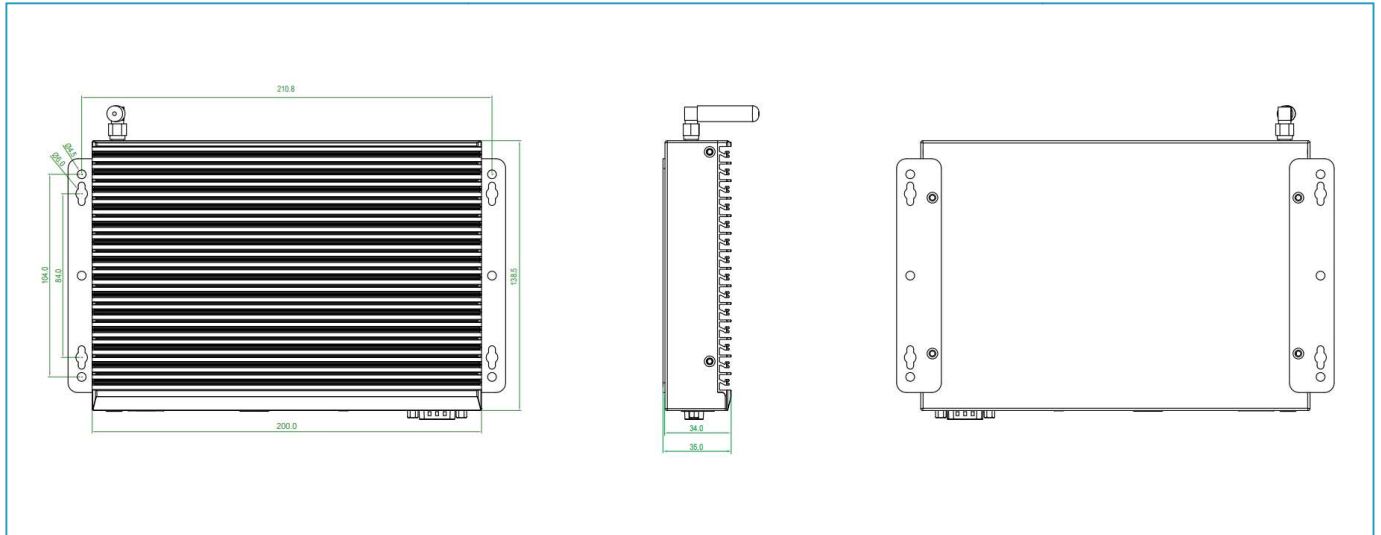
Specifications

SYSTEM			
CPU	RK3568	RK3576	RK3588
Frequency	Quad-core 2.0GHz	Octa-core 2.2GHz	Octa-core 2.4GHz
GPU	Mali-G52 MP2	Mali-G52 MC3	Mali-G610 MC4
NPU	1TOPS	6TOPS	6TOPS
Memory	4GB LPDDR4 (Optional 4GB/8GB/16GB)		
Storage	64GB eMMC (Optional 128GB/256GB)		
I/O PORTS			
USB	2x USB 3.0 (1PCS supports OTG) 2x USB 2.0 (Optional upgrade Gigabit RJ45) Optional upgrade 6-channel USB 2.0		
UBOOT	1x UBOOT		
Serial	Standard 1x DB9 232 serial port (232/TTL interchangeable) optional upgrade 4x 232		
Ethernet	1x RJ45 Gigabit Ethernet port (Optional RJ45 Gigabit*2)		
Display	1x HDMI output, Supporting up to 4K		
SIM Card Slot	1x SIM slot		
TF Card Slot	1x TF slot (Support TF card upgrade)		
Phoenix terminal	Standard 3.5-12P Phoenix terminal (232*1/485*1/CAN*1/NC*4) 232/485 support interchangeable, NC*4 support upgraded customized interfaces		
Other	Optional upgrade 3x RS-485 2x TTL 1xCAN optional Optional support 12 channels GPIO 1 channel AD		
RF COMMUNICATION			
GNSS	External GPS (optional)		
Wi-Fi	Wi-Fi 6, Dual Band 2.4GHz+5GHz		
Bluetooth	Bluetooth 5.3 (RK3588: BT5.0)		
4G/5G	1x 4G (Optional)		
AUDIO			
Audio	1xAudio I/O, Support audio input and output, Headphone: 3.5mm standard interface		
POWER			
DC Input	12 to 36 VDC		
Input Type	3.81-2P Phoenix terminal		
Power Adapter	12V/2.5A optional		
OPERATING SYSTEM			
OS	Android/Linux5.10/Ubuntu20.04/Ubuntu22.04/Debian11		
MECHANICAL			
Dimensions (W x D x H mm)	200 x 138.5 x 35 mm		
Weight (kg)	1kg		
Mounting	Wall-mount, Desktop		
Material	Aluminum alloy		
ENVIRONMENT			
Operating Temperature	-20°C to 70°C		
Storage Temperature	-30°C to 80°C		
Relative Humidity	10% to 95%. non-condensing		

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Dimensions



Ordering Information

Ref.	Description
XAB-251104T1/RK356/464/A12	RK3568, 4+64G, WiFi, 1*LAN, 4*USB, 4*COM, 1*HDMI, Android 12, DC 12~36V, No PSU
XAB-251104T1/RK357/8128/A14	RK3576, 8+128G, WiFi, 1*LAN, 4*USB, 4*COM, 1*HDMI, Android 14, DC 12~36V, No PSU
XAB-251104T1/RK358/8128/A13	RK3588, 8+128G, WiFi, 1*LAN, 4*USB, 4*COM, 1*HDMI, Android 13, DC 12~36V, No PSU