

H9380F

4G Industrial Computer



Overview

H9380F Android IPC is a mid to high-end solution with an integrated 4-core arm architecture A55 processor and Mali G52 2EE graphics processor, supporting 4K decoding and 1080P encoding. Built-in independent NPU for lightweight artificial intelligence applications. Provide Android 11 system, mainly used in smart containers, smart vending machines, smart express cabinets, smart power exchange cabinets and other kinds of intelligent self-service terminals.

Highlights



Rk3568 AI chipset



Android 11 system

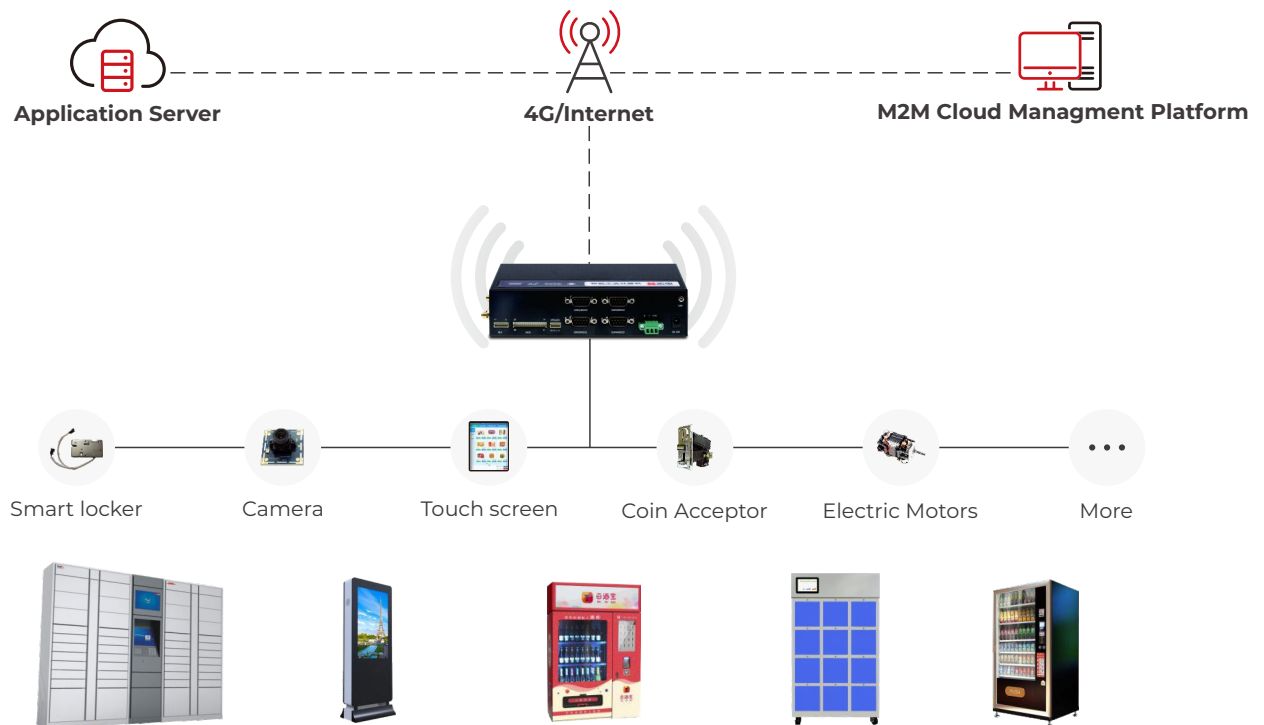


Rich interfaces



Industrial design

Topology diagram



Features



AI-Chipset

Rexchip RK3568 Quad-core A55 64-bit CPU, 0.8TOPS Computing Power NPU



4G/5G High-speed networks

Smart dialing, Supports 4G/5G automatic dialing and APN adaptive dialing



Rich interfaces

Supports RS485, RS232, RJ45, USB, WiFi, TF Card, for different applications



Android OS/Linux

Rich android market application
Self-developed application
* Linux optional



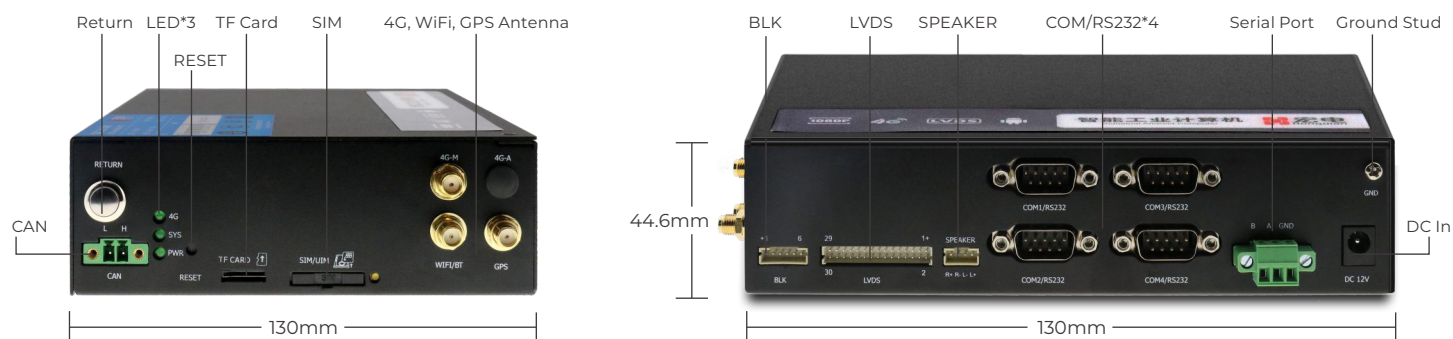
Wedora device management cloud platform

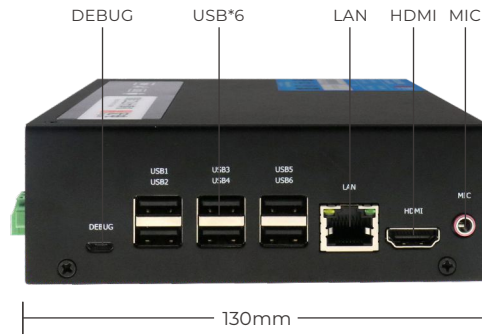
Device failure alarm, improve device online rate
Device remote management and maintenance

Specification

Hardware			
CPU	Rk3568, highest frequency: 2.0GHz; 64 bits	NPU	0.8TOPS
Memory	2GB	Storage	8GB
Cellular Interface			
Modem	1 × LTE Cat4	Number of Antennas	1 MAIN
SIM	1 × Mini SIM (2FF)		
Wireless Interface			
Standards	802.11b/g/n, AP or station modes		
GNSS Interface			
Number of Antennas	1		
Peripheral Interface			
Serial	4 × RS-232 (2 RS232 port can be configured as a RS485 port),DB9 male connector ; 1 × RS-485 serial port, 3-pin 3.5 mm female socket		
Ethernet	1 × 10/100/1000 Mbps, Gigabit Ethernet	USB	USB 2.0 × 6, OTG × 1
Display	HDMI 2.0 x 1, LVDS x1		
Software			
Operating System	Android 11/Linux		
Video code	H.265/H.264/VP9 4K@60fpsHD video decoding, H.265/H.264/VP9 1080P@100fpsHD video decoding		
Image processing	BMP, JPG, PNG, GIF		
Power Supply and Consumption			
Connector	DC socket	Voltage Input	12V DC
Power Consumption	Less than 10W (only system)		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	3 indicators for PWR, SYS, 4G		
Physical Characteristics			
Ingress Protection	IP30	Housing	Metal
Dimension	210×130×44.6mm	Installations	Wall-mounting
Operating Temperature	-20 ~ +70 °C	Storage Temperature	-40 ~ +85 °C
Relative Humidity	5 ~ 95% RH		

Appearance





Ordering info

Model	4G Modem	GNSS	WLAN	RJ45	RS232/485	USB	Regions
H9380F-EU	LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B38/B40/B41 UMTS/HSDPA/HSUPA/HSPA+: B1/B5/B8 GSM/GPRS/EDGE: 900/1800MHz	GPS/GLONASS/BeiDou	802.11b/g/n, 150Mbps	1×100/1000 Mbp	4×RS-232+ 1×RS-485	6×USB 2.0, 1×OTG	Europe, Asia, Africa
H9380F-AFX	LTE-FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5	GPS/GLONASS/BeiDou	802.11b/g/n, 150Mbps	1×100/1000 Mbp	4×RS-232+ 1×RS-485	6×USB 2.0, 1×OTG	North America
H9380F-AUX	LTE-FDD: B1/B2 [®] /B3/B4/B5/B7/B8/B28 LTE-TDD: B40 WCDMA: B2/B3/B5/B8	GPS/GLONASS/BeiDou	802.11b/g/n, 150Mbps	1×100/1000 Mbp	4×RS-232+ 1×RS-485	6×USB 2.0, 1×OTG	South America, Australia, Africa
H9380F-JP	LTE-FDD: B1/B3/B8/B18/B19/B26	GPS/GLONASS/BeiDou	802.11b/g/n, 150Mbps	1×100/1000 Mbp	4×RS-232+ 1×RS-485	6×USB 2.0, 1×OTG	Japan

Packing list

		
		
H9380F 4G Industrial Computer	12V/2A Power Adapter	RJ45 Cable