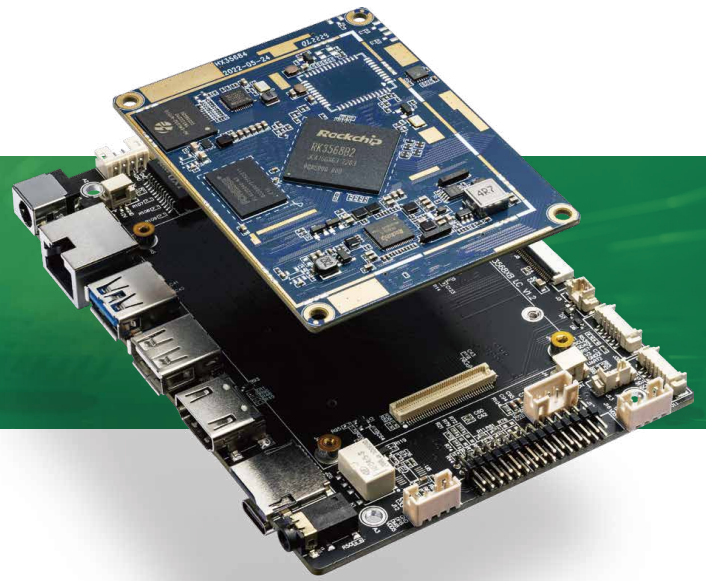


TM



Industrial Motherboard Brochure

Embedded
Intelligence
Matters

Product Features



High Performance

- Rockchip & Qualcomm Solutions optional
- 1.4GHz-2.8GHz Quad-Core and Octa-Core Processor
- 2GB/4GB/8GB/16GB DDR , 8GB/64GB eMMC Flash
- Support Android 7.1/11/12 , Linux Ubuntu 18.04/20.04



Rich Expandability

- UART , USB
- I/O Customizations in Project
- Optional Bluetooth , CAN , and native 4G, GNSS Modules



High Stability

- 72-hour Aging Test before delivery
- Fulfill specific industry requirements
- ISO9001 , Certified High-Tech Company



Industrial-grade Standard

- Adapt to harsh environments
- Adopt industrial-grade components
- Superior heat dissipation
- Meet EMC design requirements with strong anti-interference



Qualcomm series comes with 4G+GNSS,WIFI&BT

- MSM8909: CAT4 , 802.11a/b/g/n+BT4.1
- Snapdragon 450 : CAT6 , 802.11a/b/g/n+BT4.2
- Snapdragon 665: CAT4, 802.11a/b/g/n/ac+ BT5.0



Rockchip series(Rk3588)

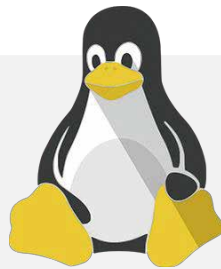
- Powerful computing capability
- Powerful video processing capability
- Powerful graphics processing capability
- Low power consumption
- Industrial-grade wide temperature design

Operation System

Pre-installed with a secure and stable operating system



Android

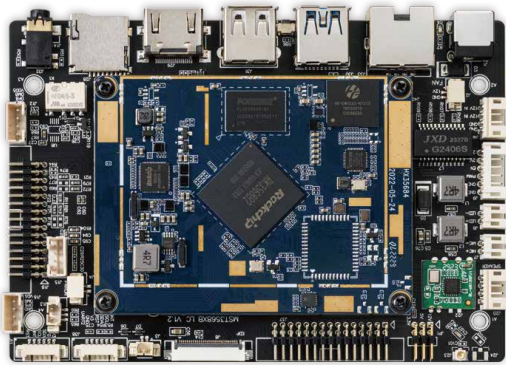


Linux

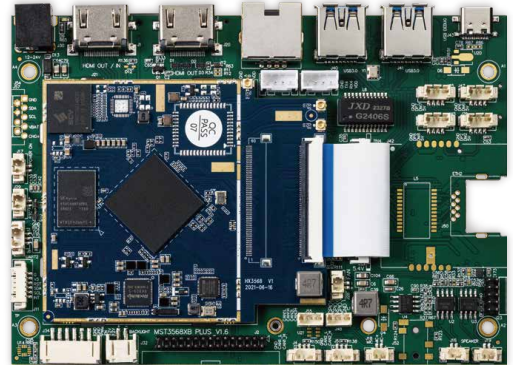
Professional technical support



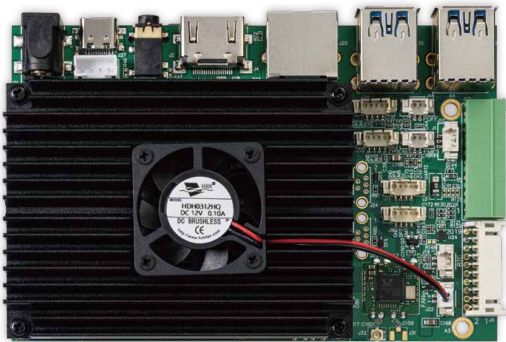
Difference Types of Industrial Board



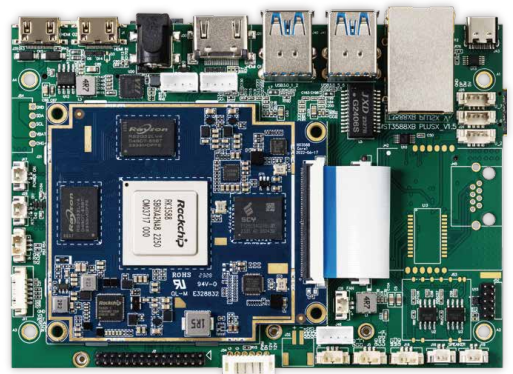
XB LC



XB PLUS

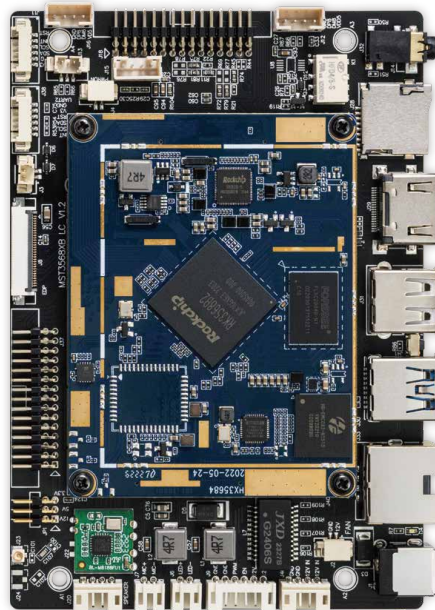


XB NANO



XB PLUSX

XB LC



Main Features

- Super computing performance , 2D/3D graphics processing and full high-definition video codec capabilities
- Supports interfaces such as HDMI , EDP , LVDS , IIC , USB, RJ45, SIM, TF, WIFI, Bluetooth , MIC , speaker, earphone, CAN , GPIO , RS-232 , RS-485 , TTL , etc.
- Adopts 1.25/2.0mm pitch wire-to-board connectors in many places
- Compact design enhances interface diversity and saves space
- Uses 9-12VDC wide voltage supply
- Suitable for medical equipment, industrial all-in-one machines , and other fields

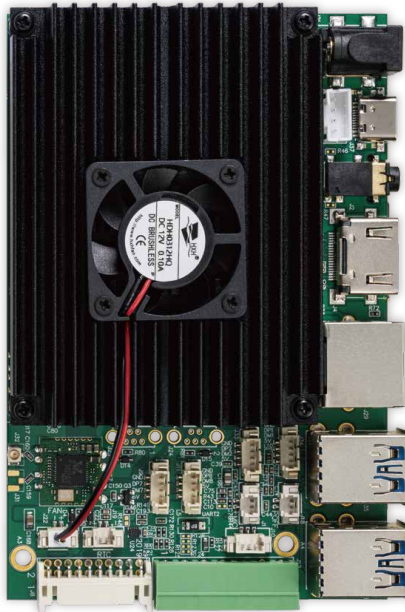
XB PLUS



Main Features

- Dual-channel HDMI OUT/IN or 1-channel HDMI IN/OUT optional
- Support 2x USB3.0-A , USB type-C debugging
- Default with WIFI & Ethernet , Bluetooth , MINI PCIE port, SIM card slot and TF card slot
- Slimmer design: RJ45 sinking plate
- Support double 4G or 5G+4G Module, MINI PCI slot (5G module optional)
 - Dual 4G modules
 - 4G+5G module (USB3.0 speed)
 - 5G PCIE socket expansion 3T NPU module
- Suitable for drone controllers , handheld terminal , robot and other fields

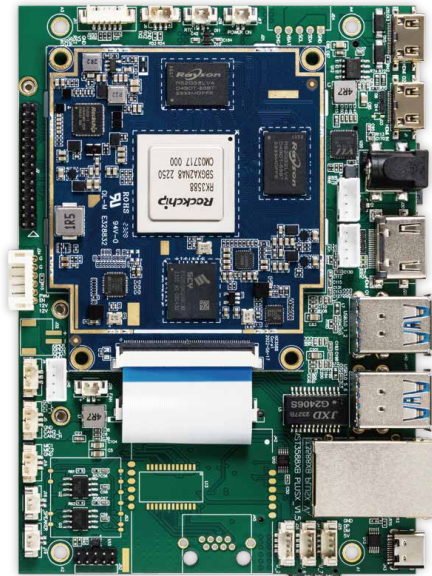
XB NANO



Main Features

- 4G/5G MINI PCIE slot
- Support 4x USB3.0-A , USB type-C debugging
- With 8 * GPIO ; MIC & 8Ω 5W speaker
- Default with WIFI & Ethernet , Bluetooth , MINI PCIE port , SIM card slot and TF card slot
- Slimmer design: RJ45 sinking plate
- Support 4G or 5G/4G Module by MINI PCI slot
4G/5G module (USB3.0 speed)
5G PCIE socket expansion module
- Suitable for AI artificial intelligence , edge computing, high algorithm and other solutions

XB PLUSX



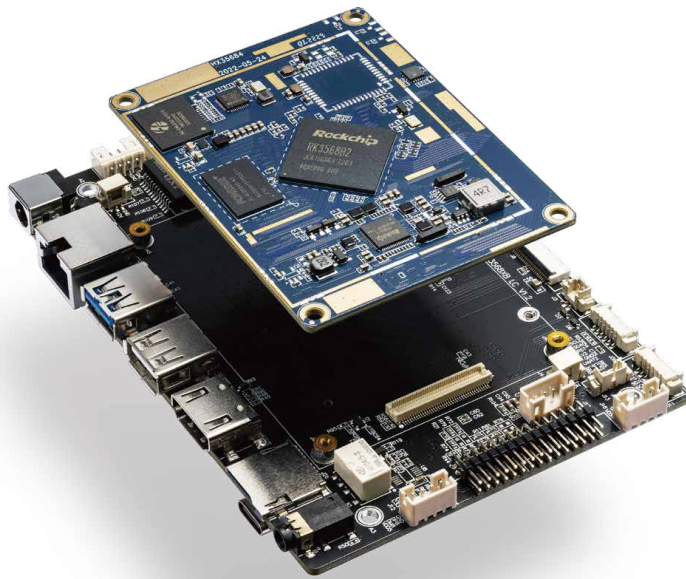
Main Features

- Super computing performance , 2D/3D graphics processing and full high-definition video codec capabilities
- With 4 onboard USB 3.0 interfaces, 3 1000M Ethernet ports , 2 HDMI OUT & 1 HDMI IN , and supports the coexistence of 4G and 5G modules
- Adopts 1.25/2.0mm pitch wire-to-board connectors in many places
- Compact design enhances interface diversity and saves space
- Uses 9-12VDC wide voltage supply
- Suitable for industrial servers , smart displays and other fields

Selection List

ITEMS	CPU	Storage	System	Network	SOC	Interface Signal
RVM 3568XB	RK3568	2G+8G 2G+32G 4G+32G 4G+64G 8G+64G	Android 11	WiFi, CAN LAN, 4G, GPS	Quad-core ARM-A55@2.0GHz	USB RS232 RS485 TTL UART RJ45
RVM 3399XB	RK3399	2G+8G 4G+32G 4G+64G	Android 7.1	WiFi, LAN 4G, GPS	Dual-core ARM-A72@1.8GHz Quad-core ARM-A53@1.4GHz	
RVM 3588XB	RK3588	4G+32G 4G+64G 8G+64G 16G+64G	Android 12		Quad-core ARM-A76@2.4GHz Quad-core ARM-A55@1.8GHz	
RVM 8909XB	MSM8909	1G+8G 2G+16G	Android 7	WiFi, LAN 4G CAT4 GNSS	Quad-core ARM-A7@1.1GHz	
RVM 450XB	Snapdragon 450	2G+16G	Android 9		Octa-core ARM-A53@1.8GHz	
RVM 665XB	Snapdragon 665	4G+64G	Android 10		Quad-core ARM-A73@2.0GHz Quad-core ARM-A53@1.8GHz	
RVM 865XB	Snapdragon 865	8G+64G	Android 10		Quad-core ARM-A77@2.8GHz Quad-core ARM-A55@1.8GHz	

One-Stop Solution



Reliova Inc.
Fremont, CA 94555
Phone: +1 (510) 335-2701
Email: info@reliova.com
Website: www.relioiva.com
