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ARM Industrial Computer and Edge Computing Gateway

Focused on R&D, and production of industrial automation and IoT hardware and software.

Providing one-stop industrial automation and IoT solutions.

ARMxy

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ARMxy Industrial Computer and Edge Computing Gateway

The ARMxy ARM industrial computers support flexible configuration with X, Y1, and Y2 I/O boards, offering up to 8112 combinations. They feature a rich array of interfaces including Ethernet ports, USB, HDMI, I/O, Mini PCIe, IEPE and more, suitable for communication, PWM output, pulse counting, and other data acquisition control tasks.

ARMxy undergoes rigorous testing across 12 electrical performance metrics to ensure stability and reliability. Deinged for DIN rail mounting, it is adaptable to various industrial environments. Widely used in industrial edge computing, industrial IoT, energy storage systems (EMS/BMS), transportation, motion control, industrial automation, and smart terminal applications.

Features

- Available with Rockchip, Allwinner, NXP, TI, as well as various ROM and RAM options.
- Supports Linux, Ubuntu, Debian, Android, and other systems.
- Supports AI, AO, DI, DO, GPIO, CAN, RS485/RS232, IEPE and other types of I/O.
- Built-in Mini PCIe interface, supports 4G, 5G, WiFi, Ethernet, LoRa, Bluetooth, etc.
- ARMxy with BLIoTLink for built-in gateway features, it also supports API for secondary development.
- QuickConfig support for fast configuration, system management, and remote access.
- Compatible with various programming languages, capable of running Node-RED, Docker, etc.
- Enabling remote access and operation through the BLRAT.

Modular design

Flexible selection of various SOMs, memory, storage, and I/O boards

Rockchip
Texas Instruments
Allwinner
NXP
MediaTek
Broadcom
Phytium
Samsung
UNISOC
Samsung Exynos

Various SOM board

Three type of I/O boards

Various types of I/O

DI	DO
Counter	Encoder
AI	AO
TC	RTD
Resistor	Voltage
CAN	485/232

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ARMxy Interfaces Functions and Application Scenarios

ARMxy adopts a flexible design concept, allowing the selection of different SOM boards (with various ROM and RAM combinations) and multiple I/O boards (X/Y boards) to meet the requirements of various application scenarios.

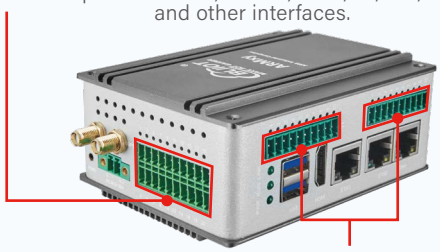
ARMxy Industrial computer naming conventions

Product Series-SOM-X Board-Y1 Board-Y2 Board

BL452B – SOM452 – X23 – Y01 – Y37

Product Series: If it's a Ethernet port type, then it's BL452; for Wi-Fi, it's BL452W; for 4G, it's BL452L.

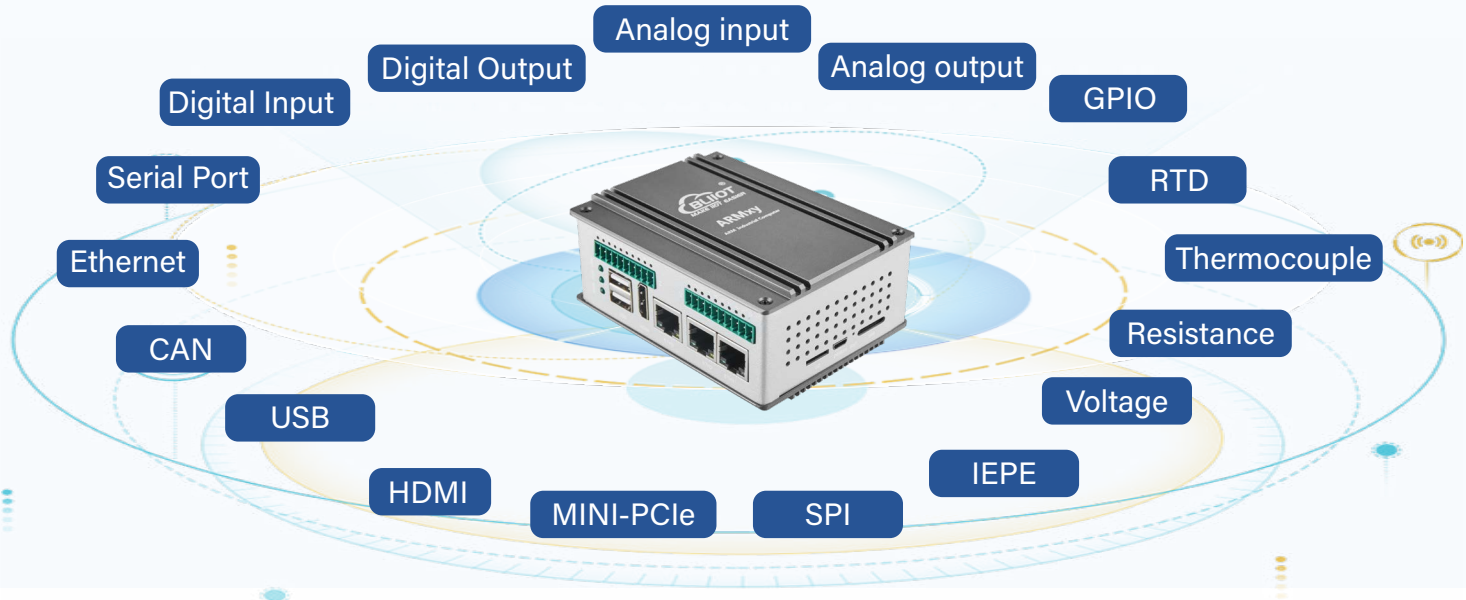
X I/O Board Options: RS232, RS485, CAN, DI, DO, GPIO, and other interfaces.



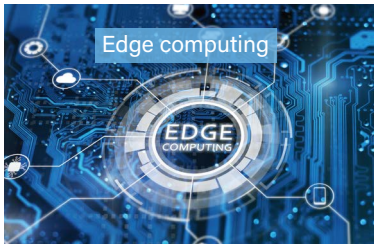
Y I/O Board

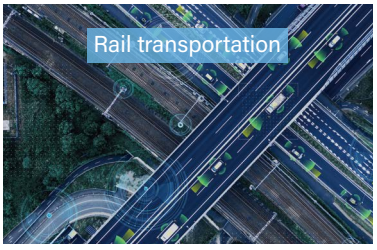
Options: DI, DO, AI, AO, CAN, thermocouple, RTD, RS232/RS485, and other interfaces.

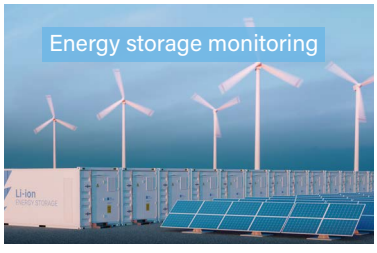
Rich interfaces, powerful functionality

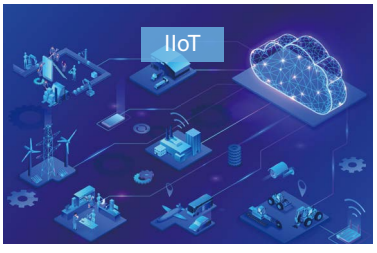


Application fields









ARMxy Performance Characteristics

Economical Industrial Computer – BL310 Series

The BL310 Series from ARMxy is built on NXP i.MX6ULL industrial-grade SoC with an ARM Cortex-A7 core running up to 800 MHz. It delivers reliable performance with low power consumption, making it an ideal choice for applications requiring both reliability and budget efficiency.

Basic Industrial Computer – BL330 Series

The BL330 Series from ARMxy is powered by Allwinner T113-i heterogeneous multi-core processor, integrating dual-core ARM Cortex-A7, XuanTie C906 RISC-V, and HiFi4 DSP, with a clock speed of up to 1.2 GHz. It comes with 256MB NAND Flash or 4/8GB eMMC storage options, and supports flexible memory configurations ranging from 128MB to 1GB DDR3.

Cost-Effective Industrial Computer – BL335 Series

The BL335 Series from ARMxy delivers exceptional value with its high-performance Allwinner T113-i processor, dual-core ARM Cortex-A7 industrial-grade controller running up to 1.2GHz, and flexible RAM/ROM options. Its cost-efficient design makes it an ideal choice for industrial projects with tight budgets.

Standard Industrial Computer - BL340 Series

The ARMxy Industrial Computer BL340 Series is based on Allwinner T507-H processor, featuring a quad-core ARM Cortex-A53 with a clock speed of up to 1.4GHz. It is equipped with 8/16GByte eMMC and 1/2GByte DDR4, meeting the requirements of most applications.

Mid-Range Industrial Computer – BL350 Series

The BL350 Series from ARMxy is powered by TI Sitara AM62x processors, featuring a multi-core architecture with dual- or quad-core ARM Cortex-A53 (up to 1.4 GHz) and a single-core ARM Cortex-M4F (up to 400 MHz). It offers 4/8 GB eMMC storage and 512 MB–2GB DDR4 memory. Built on advanced 16nm process technology with integrated 3D graphics acceleration, the BL350 delivers high performance with low power consumption, making it ideal for demanding industrial applications.

ARMxy Performance Characteristics

Enhanced Industrial Computer - BL360 Series

The ARMxy Industrial Computer BL360 Series is designed based on the NXP i.MX8M Mini multi-core processor, featuring a quad-core ARM Cortex-A53 (up to 1.6GHz) and a single-core ARM Cortex-M4 (up to 400MHz). Equipped with 4/8GByte eMMC storage and 1/2GByte DDR4 memory, it utilizes advanced 14nm process technology and supports 1080P60 H.264 hardware encoding/decoding, 1080P60 H.265 hardware decoding, and GPU graphics acceleration.

Reinforced Industrial Computer - BL370 Series

The ARMxy Industrial Computer BL370 Series is designed based on Rockchip RK3562/RK3562J processors, featuring a quad-core ARM Cortex-A53 + single-core ARM Cortex-M0 architecture with a maximum frequency of 1.8G/2.0GHz. It is equipped with 8/16/32GByte eMMC storage and 1/2/4GByte LPDDR4X memory in various configurations. It also integrates a 1TOPS NPU for deep learning applications.

High-Performance Industrial Computer - BL410 Series

The ARMxy Industrial Computer BL410 Series is designed based on Rockchip RK3568J/ RK3568B2 processors, featuring a quad-core ARM Cortex-A55 architecture with a clock spped of 1.8GHz/2.0GHz. It is equipped with 8/16/32GByte eMMC storage and 1/2/4GByte LPDDR4X memory in various configurations. Additionally, it integrates a 1TOPS NPU to support deep learning applications.

High-End Industrial Computer - BL440 Series

The ARMxy Industrial Computer BL440 Series is designed based on Rockchip RK3576J/RK3576 processors, featuring a combination of quad-core ARM Cortex-A72 + quad-core ARM Cortex-A53 + single-core ARM Cortex-M0 architecture with a clock speed of 2.1G/2.2GHz. It is equipped with 16/32/64GByte eMMC storage and 2/4/8GByte LPDDR4X memory in various configurations. Additionally, it integrates a 6TOPS NPU to support AI edge computing applications.

Flagship Industrial Computer - BL450 Series

The ARMxy Industrial Computer BL450 Series is designed based on Rockchip RK3588J/RK3588 processors, featuring a combination of quad-core ARM Cortex-A76 + quad-core ARM Cortex-A55 + triple-core ARM Cortex-M0 architecture with a clock speed of 2.0G/2.4GHz. It is equipped with 32/64/128GByte eMMC storage and 4/8/16GByte LPDDR4X memory in various configurations. Additionally, it integrates a 6TOPS NPU to support AIoT applications.

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ARMxy Model Selection

ARMxy BL310 Series

Model	ETH	USB	X I/O Slot	Y I/O Slot	Size
BL310	2x10/100Mhz	2	2 x 5PIN	X	46x83x110mm
BL310A	2x10/100Mhz	2	2 x 5PIN	1	46x83x110mm
BL310B	2x10/100Mhz	2	2 x 5PIN	2	46x83x110mm

ARMxy BL310 Series SOM Model

Model	MCU	Clock	Kernel	RAM	ROM	Temperature
SOM310	i.MX6ULL	800MHz	ARM Cortex-A7	256MB DDR3L	256MB Nand	Industrial grade -40~85℃
SOM311	i.MX6ULL	800MHz	ARM Cortex-A7	256MB DDR3L	1GByte eMMC	Industrial grade -40~85℃
SOM312	i.MX6ULL	800MHz	ARM Cortex-A7	512MB DDR3L	8GByte eMMC	Wide temperature range -25℃~+85℃
SOM313	i.MX6ULL	800MHz	ARM Cortex-A7	512MB DDR3L	8GByte eMMC	Industrial grade -40~85℃

ARMxy BL340 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL340	1x100Mhz	2	X	1x6PIN	X	42x83x110mm
BL340A	1x100Mhz	2	X	1x20PIN	X	42x83x110mm
BL340B	1x100Mhz	2	X	1x20PIN	2	48x83x110mm
BL340C	1x100Mhz	2	X	1x10PIN	X	42x83x110mm
BL341	2x100Mhz	2	X	1x6PIN	X	42x83x110mm
BL341A	2x100Mhz	2	X	1x20PIN	X	42x83x110mm
BL341B	2x100Mhz	2	X	1x20PIN	2	48x83x110mm
BL342	3x100Mhz	2	1	1x6PIN	X	42x83x110mm
BL342A	3x100Mhz	2	1	1x20PIN	X	42x83x110mm
BL342B	3x100Mhz	2	1	1x20PIN	2	48x83x110mm

ARMxy BL340 Series SOM Model

Model	MCU	Clock	Kernel	eMMC	DDR4	Temperature
SOM340	T507-H	1.4GHz	4 x A53	8GByte	1GByte	Industrial grade -40~85℃
SOM341	T507-H	1.4GHz	4 x A53	16GByte	2GByte	Industrial grade -40~85℃
SOM342	T507-H	1.4GHz	4 x A53	8GByte	1GByte	Commercial grade 0~70℃
SOM343	T507-H	1.4GHz	4 x A53	16GByte	2GByte	Commercial grade 0~70℃

ARMxy BL360 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL360	1x10/100Mhz	2	X	1x6PIN	X	42x83x110mm
BL360A	1x10/100Mhz	2	X	1x20PIN	X	42x83x110mm
BL360B	1x10/100Mhz	2	X	1x20PIN	2	48x83x110mm
BL360C	1x10/100Mhz	2	X	1x10PIN	X	42x83x110mm
BL361	2x10/100Mhz	2	X	1x6PIN	X	42x83x110mm
BL361A	2x10/100Mhz	2	X	1x20PIN	X	42x83x110mm
BL361B	2x10/100Mhz	2	X	1x20PIN	2	48x83x110mm
BL362	3x10/100Mhz	2	1	1x6PIN	X	42x83x110mm
BL362A	3x10/100Mhz	2	1	1x20PIN	X	42x83x110mm
BL362B	3x10/100Mhz	2	1	1x20PIN	2	48x83x110mm

ARMxy BL360 Series SOM Model

Model	MCU	Clock	Kernel	eMMC	DDR4	Temperature
SOM360	i.MX8M Mini	1.6GHz	4 x A53 + M4	4GByte	1GByte	Industrial grade -40~85℃
SOM361	i.MX8M Mini	1.6GHz	4 x A53 + M4	8GByte	2GByte	Industrial grade -40~85℃

ARMxy BL330 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL330	1x100Mhz	2	X	1x6PIN	X	42x83x110mm
BL330A	1x100Mhz	2	X	1x20PIN	X	42x83x110mm
BL330B	1x100Mhz	2	X	1x20PIN	2	48x83x110mm
BL330C	1x100Mhz	2	X	1x10PIN	X	42x83x110mm
BL331	2x100Mhz	2	X	1x6PIN	X	42x83x110mm
BL331A	2x100Mhz	2	X	1x20PIN	X	42x83x110mm
BL331B	2x100Mhz	2	X	1x20PIN	2	48x83x110mm
BL332	3x100Mhz	2	1	1x6PIN	X	42x83x110mm
BL332A	3x100Mhz	2	1	1x20PIN	X	42x83x110mm
BL332B	3x100Mhz	2	1	1x20PIN	2	48x83x110mm

ARMxy BL335 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL335	2x100Mhz	2 x USB2.0	X	2 x 5PIN	X	46x83x110mm
BL335A	2x100Mhz	2 x USB2.0	X	2 x 5PIN	1	46x83x110mm
BL335B	2x100Mhz	2 x USB2.0	X	2 x 5PIN	2	46x83x110mm

ARMxy BL330 Series and BL335 Series SOM Model

Model	MCU	Clock	Kernel	Nand Flash	eMMC	DDR3	Temperature
SOM330	T113-i	1.2GHz	2 x A7	256Mbyte	/	256MByte	Industrial grade -40~85℃
SOM331	T113-i	1.2GHz	2 x A7	256Mbyte	/	128MByte	Industrial grade -40~85℃
SOM332	T113-i	1.2GHz	2 x A7	/	4GByte	256MByte	Industrial grade -40~85℃
SOM333	T113-i	1.2GHz	2 x A7	/	4GByte	512MByte	Industrial grade -40~85℃
SOM334	T113-i	1.2GHz	2 x A7	/	8GByte	512MByte	Industrial grade -40~85℃
SOM335	T113-i	1.2GHz	2 x A7	/	8GByte	1GByte	Industrial grade -40~85℃
SOM336	T113-i	1.2GHz	2 x A7	/	4GByte	256Mbyte	Commercial grade -20~70℃

ARMxy BL350 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL350	1x10/100Mhz	2	X	1x6PIN	X	42x83x110mm
BL350A	1x10/100Mhz	2	X	1x20PIN	X	42x83x110mm
BL350B	1x10/100Mhz	2	X	1x20PIN	2	48x83x110mm
BL350C	1x10/100Mhz	2	X	1x10PIN	X	42x83x110mm
BL351	2x10/100Mhz	2	X	1x6PIN	X	42x83x110mm
BL351A	2x10/100Mhz	2	X	1x20PIN	X	42x83x110mm
BL351B	2x10/100Mhz	2	X	1x20PIN	2	48x83x110mm
BL352	3x10/100Mhz	2	1	1x6PIN	X	42x83x110mm
BL352A	3x10/100Mhz	2	1	1x20PIN	X	42x83x110mm
BL352B	3x10/100Mhz	2	1	1x20PIN	2	48x83x110mm

ARMxy BL350 Series SOM Model

Model	MCU	Clock	Kernel	eMMC	DDR4	Temperature
SOM350	AM6232	1.4GHz	2 x A53 + M4F	4GByte	512MB	Industrial grade -40~85℃
SOM351	AM6232	1.4GHz	2 x A53 + M4F	8GByte	1GByte	Industrial grade -40~85℃
SOM352	AM6254	1.4GHz	4 x A53 + M4F	8GByte	1GByte	Industrial grade -40~85℃
SOM353	AM6254	1.4GHz	4 x A53 + M4F	8GByte	2GByte	Industrial grade -40~85℃

ARMxy Model Selection

ARMxy BL370 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL370	1x10/100Mhz	2	X	1x6PIN	X	42x83x110mm
BL370A	1x10/100Mhz	2	X	1x20PIN	X	42x83x110mm
BL370B	1x10/100Mhz	2	X	1x20PIN	2	48x83x110mm
BL370C	1x10/100Mhz	2	X	1x10PIN	X	42x83x110mm
BL371	2x10/100Mhz	2	X	1x6PIN	X	42x83x110mm
BL371A	2x10/100Mhz	2	X	1x20PIN	X	42x83x110mm
BL371B	2x10/100Mhz	2	X	1x20PIN	2	48x83x110mm
BL372	3x10/100Mhz	2	1	1x6PIN	X	42x83x110mm
BL372A	3x10/100Mhz	2	1	1x20PIN	X	42x83x110mm
BL372B	3x10/100Mhz	2	1	1x20PIN	2	48x83x110mm

ARMxy BL370 Series SOM Model

Model	MCU	Clock	Kernel	NPU	eMMC	LPDDR4X	Temperature
SOM370	RK3562J	1.8GHz	4 x A53 +M0	1TOPS	8GByte	1GByte	Industrial grade -40~85℃
SOM371	RK3562J	1.8GHz	4 x A53 +M0	1TOPS	16GByte	2GByte	Industrial grade -40~85℃
SOM372	RK3562J	1.8GHz	4 x A53 +M0	1TOPS	32GByte	4GByte	Industrial grade -40~85℃
SOM373	RK3562	2.0GHz	4 x A53 +M0	1TOPS	8GByte	1GByte	Commercial grade 0~70℃
SOM374	RK3562	2.0GHz	4 x A53 +M0	1TOPS	16GByte	2GByte	Commercial grade 0~70℃
SOM375	RK3562	2.0GHz	4 x A53 +M0	1TOPS	32GByte	4GByte	Commercial grade 0~70℃

ARMxy BL410 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL410	1x100Mhz	2	X	1x6PIN	X	42x83x110mm
BL410A	1x100Mhz	2	X	1x20PIN	X	42x83x110mm
BL410B	1x100Mhz	2	X	1x20PIN	2	48x83x110mm
BL410C	1x100Mhz	2	X	1x10PIN	X	42x83x110mm
BL411	2x100Mhz	2	X	1x6PIN	X	42x83x110mm
BL411A	2x100Mhz	2	X	1x20PIN	X	42x83x110mm
BL411B	2x100Mhz	2	X	1x20PIN	2	48x83x110mm
BL412	3x100Mhz	2	1	1x6PIN	X	42x83x110mm
BL412A	3x100Mhz	2	1	1x20PIN	X	42x83x110mm
BL412B	3x100Mhz	2	1	1x20PIN	2	48x83x110mm

ARMxy BL410 Series SOM Model

Model	MCU	Clock	Kernel	NPU	eMMC	LPDDR4X	Temperature
SOM410	RK3568J	1.8GHz	4 x A55	1TOPS	8GByte	1GByte	Industrial grade -40~85℃
SOM411	RK3568J	1.8GHz	4 x A55	1TOPS	16GByte	2GByte	Industrial grade -40~85℃
SOM412	RK3568J	1.8GHz	4 x A55	1TOPS	32GByte	4GByte	Industrial grade -40~85℃
SOM413	RK3568B2	2.0GHz	4 x A55	1TOPS	8GByte	1GByte	Commercial grade 0~70℃
SOM414	RK3568B2	2.0GHz	4 x A55	1TOPS	16GByte	2GByte	Commercial grade 0~70℃
SOM415	RK3568B2	2.0GHz	4 x A55	1TOPS	32GByte	4GByte	Commercial grade 0~70℃

ARMxy BL440 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL440	1x10/100/1000Mhz	2	X	1x6PIN	X	42x83x110mm
BL440A	1x10/100/1000Mhz	2	X	1x20PIN	X	42x83x110mm
BL440B	1x10/100/1000Mhz	2	X	1x20PIN	2	48x83x110mm
BL440C	1x10/100/1000Mhz	2	X	1x10PIN	X	42x83x110mm
BL441	2x10/100/1000Mhz	2	X	1x6PIN	X	42x83x110mm
BL441A	2x10/100/1000Mhz	2	X	1x20PIN	X	42x83x110mm
BL441B	2x10/100/1000Mhz	2	X	1x20PIN	2	48x83x110mm
BL442	1x10/100Mhz, 2x10/100/1000Mhz	2	1	1x6PIN	X	42x83x110mm
BL442A	1x10/100Mhz, 2x10/100/1000Mhz	2	1	1x20PIN	X	42x83x110mm
BL442B	1x10/100Mhz, 2x10/100/1000Mhz	2	1	1x20PIN	X	48x83x110mm

ARMxy BL440 Series SOM Model

Model	MCU	Clock	Kernel	NPU	eMMC	LPDDR4X	Temperature
SOM440	RK3576J	2.1GHz	4 x A72 + 4 x A53 + 1 x M0	6TOPS	16GByte	2GByte	Industrial grade -40~85°C
SOM441	RK3576J	2.1GHz	4 x A72 + 4 x A53 + 1 x M0	6TOPS	32GByte	4GByte	Industrial grade -40~85°C
SOM442	RK3576J	2.1GHz	4 x A72 + 4 x A53 + 1 x M0	6TOPS	64GByte	8GByte	Industrial grade-40~85°C
SOM443	RK3576	2.2GHz	4 x A72 + 4 x A53 + 1 x M0	6TOPS	32GByte	2GByte	Wide temperature range 0~80°C
SOM444	RK3576	2.2GHz	4 x A72 + 4 x A53 + 1 x M0	6TOPS	32GByte	4GByte	Wide temperature range 0~80°C
SOM445	RK3576	2.2GHz	4 x A72 + 4 x A53 + 1 x M0	6TOPS	64GByte	8GByte	Wide temperature range 0~80°C

ARMxy BL450 Series

Model	ETH	USB	HDMI	X I/O Slot	Y I/O Slot	Size
BL450	1x10/100/1000Mhz	2	X	1x6PIN	X	42x83x110mm
BL450A	1x10/100/1000Mhz	2	X	1x20PIN	X	42x83x110mm
BL450B	1x10/100/1000Mhz	2	X	1x20PIN	2	48x83x110mm
BL450C	1x10/100/1000Mhz	2	X	1x10PIN	X	42x83x110mm
BL451	2x10/100/1000Mhz	2	X	1x6PIN	X	42x83x110mm
BL451A	2x10/100/1000Mhz	2	X	1x20PIN	X	42x83x110mm
BL451B	2x10/100/1000Mhz	2	X	1x20PIN	2	48x83x110mm
BL452	1x10/100Mhz, 2x10/100/1000Mhz	2	1	1x6PIN	X	42x83x110mm
BL452A	1x10/100Mhz, 2x10/100/1000Mhz	2	1	1x20PIN	X	42x83x110mm
BL452B	1x10/100Mhz, 2x10/100/1000Mhz	2	1	1x20PIN	X	48x83x110mm

ARMxy BL450 Series SOM Model

Model	MCU	Clock	Kernel	NPU	eMMC	LPDDR4X	Temperature
SOM450	RK3588J	2.0GHz	4 x A76 + 4 x A55 + 3 x M0	6TOPS	32GByte	4GByte	Industrial grade -40~85°C
SOM451	RK3588J	2.0GHz	4 x A76 + 4 x A55 + 3 x M0	6TOPS	64GByte	8GByte	Industrial grade -40~85°C
SOM452	RK3588J	2.0GHz	4 x A76 + 4 x A55 + 3 x M0	6TOPS	128GByte6	16GByte	Industrial grade -40~85°C
SOM453	RK3588	2.4GHz	4 x A76 + 4 x A55 + 3 x M0	6TOPS	4GByte	4GByte	Wide temperature range 0~80°C
SOM454	RK3588	2.4GHz	4 x A76 + 4 x A55 + 3 x M0	6TOPS	64GByte	8GByte	Wide temperature range 0~80°C

ARMxy X Series and Y Series I/O Board Model List

X Series I/O Board Model List			
X0	8GPIO	X15	4DO
X1	4RS485	X16	4GPIO
X2	4RS232	X20	4RS485/RS232
X3	2RS485+RS232	X21	3RS485/RS232+1CAN
X4	2RS485+2CAN	X22	2RS485/RS232+2CAN
X5	2RS232+2CAN	X23	4RS485/RS232+4DI+4DO
X6	2RS485+4GPIO	X24	3RS485/RS232+1CAN+4DI+4DO
X7	2RS232+4GPIO	X25	2RS485/RS232+2CAN+4DI+4DO
X8	1RS485+RS232+1CAN+2GPIO	X26	2RS485/RS232+8DI+4DO
X10	2RS485/RS232	X27	1RS485/RS232+1CAN+8DI+4DO
X11	2CAN	X28	2RS485/RS232+12DI
X12	1RS485/RS232+1CAN	X29	1RS485/RS232+1CAN+12DI
X13	2DI+2DO	X30	16GPIO
X14	4DI		

Y Series I/O Board Model List			
Y01	4DI+4DO, NPN	Y43	4AO, 0~5/10V
Y02	4DI+4DO, PNP	Y46	4AO, ±5V/±10V
Y11	8DI, NPN	Y51	2RTD 3-wire, PT100
Y12	8DI, PNP	Y52	2RTD 3-wire, PT1000
Y13	8DI, Dry Contact	Y53	2RTD, 4-wire PT100
Y21	8DO, PNP	Y54	2RTD, 4-wire PT1000
Y22	8DO, NPN	Y56	Resistance measurement
Y24	4DO, Relay	Y57	Voltage measurement
Y31	4AI, Single-ended, 0/4~20mA	Y58	4TC
Y33	4AI, Single-ended, 0~5/10V	Y63	4RS485/RS232
Y34	4AI, Differential 0~5/10V	Y95	4 PWM Output + 4 Pulse Counter (1 High-Speed, 3 Low-Speed), NPN
Y36	4AI, Differential ±5V/±10V		
Y37	4 IEPE Measurement	Y96	4 PWM Output + 4 Pulse Counter (1 High-Speed, 3 Low-Speed), PNP
Y41	4AO, 0/4~20mA		

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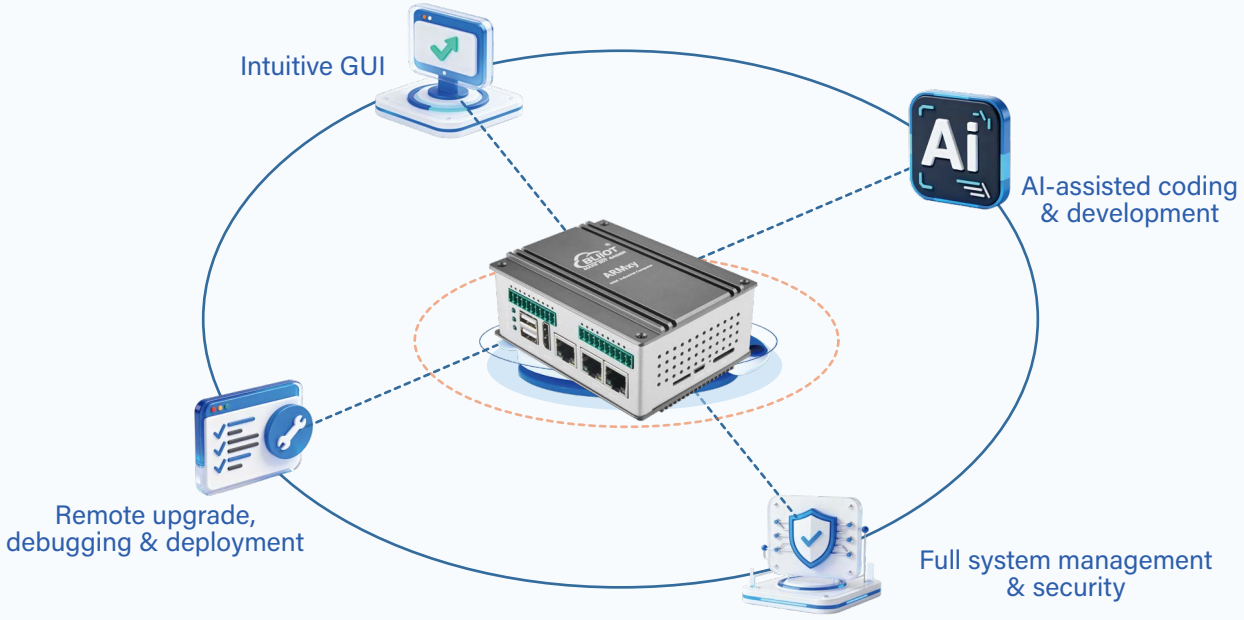
QuickConfig Application and ARMxy Application

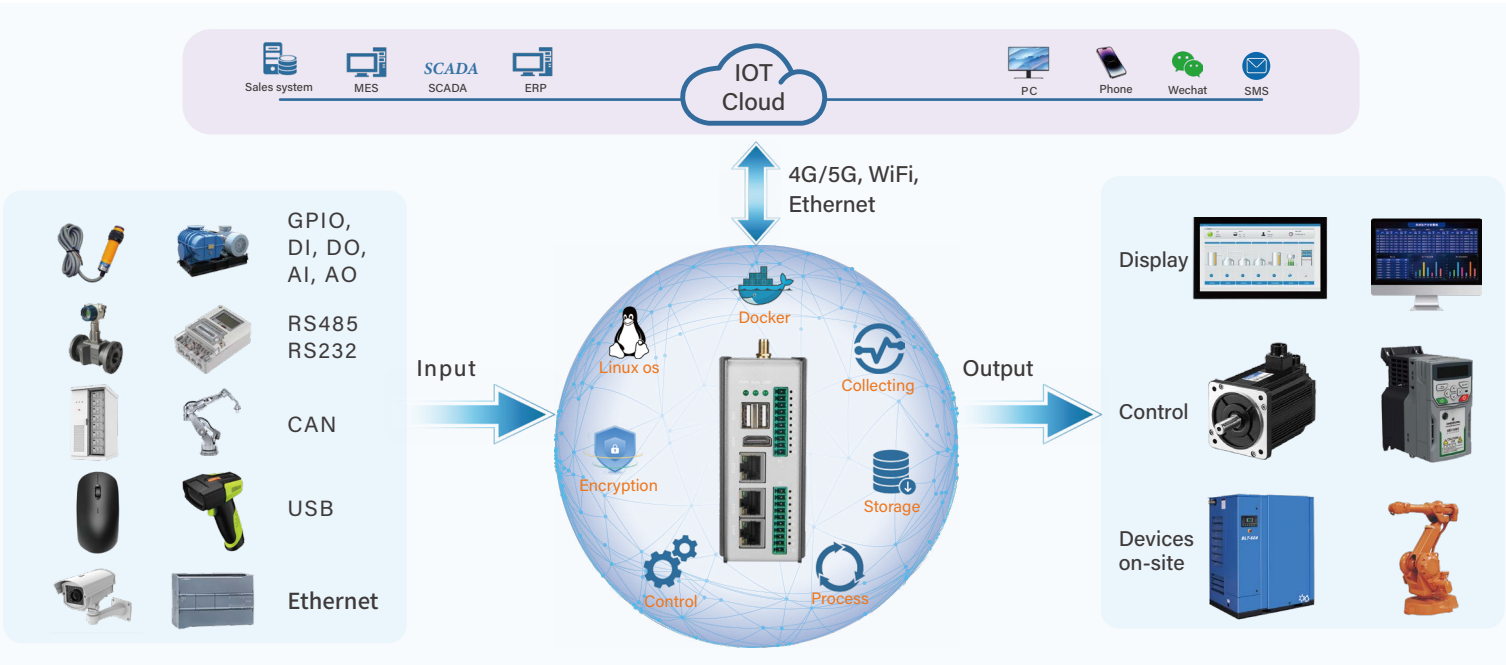
Graphical web interface for quick configuration, system management, remote access, and AI development assistant. Simplifies deployment and maintenance of ARMxy embedded computers, enhancing efficiency and reliability.

Features

- Graphical user interface;
- Remote upgrade, debugging, deployment, and O&M;
- Enables full system management, monitoring, and security;
- Supports AI coding, technical Q&A, and development via built-in editor.

QuickConfig

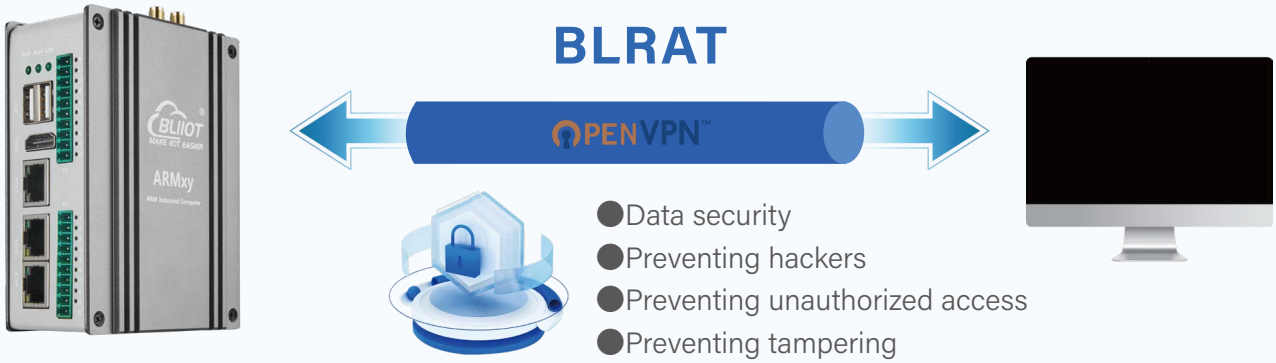




BLRAT Remote Access Tool and Node-RED Application

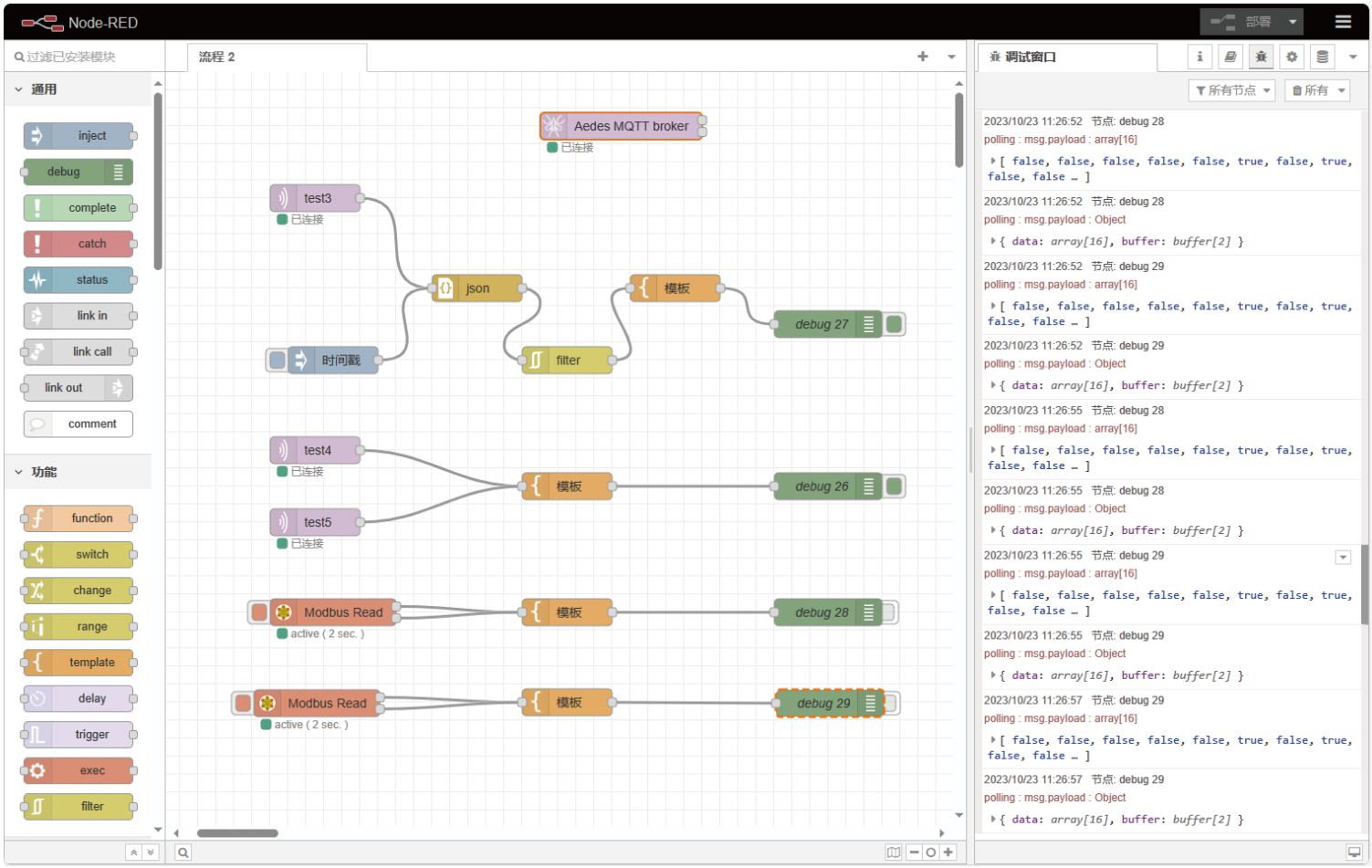
BLRAT Remote Access Tool

BL Remote Access Tool allows direct remote access to devices via OpenVPN, ensuring secure data encryption during transmission.



Node-RED Application

Built-in rich nodes, customizable protocols, one-click deployment, no compilation



BLIoTLink Industrial Protocol Conversion Software

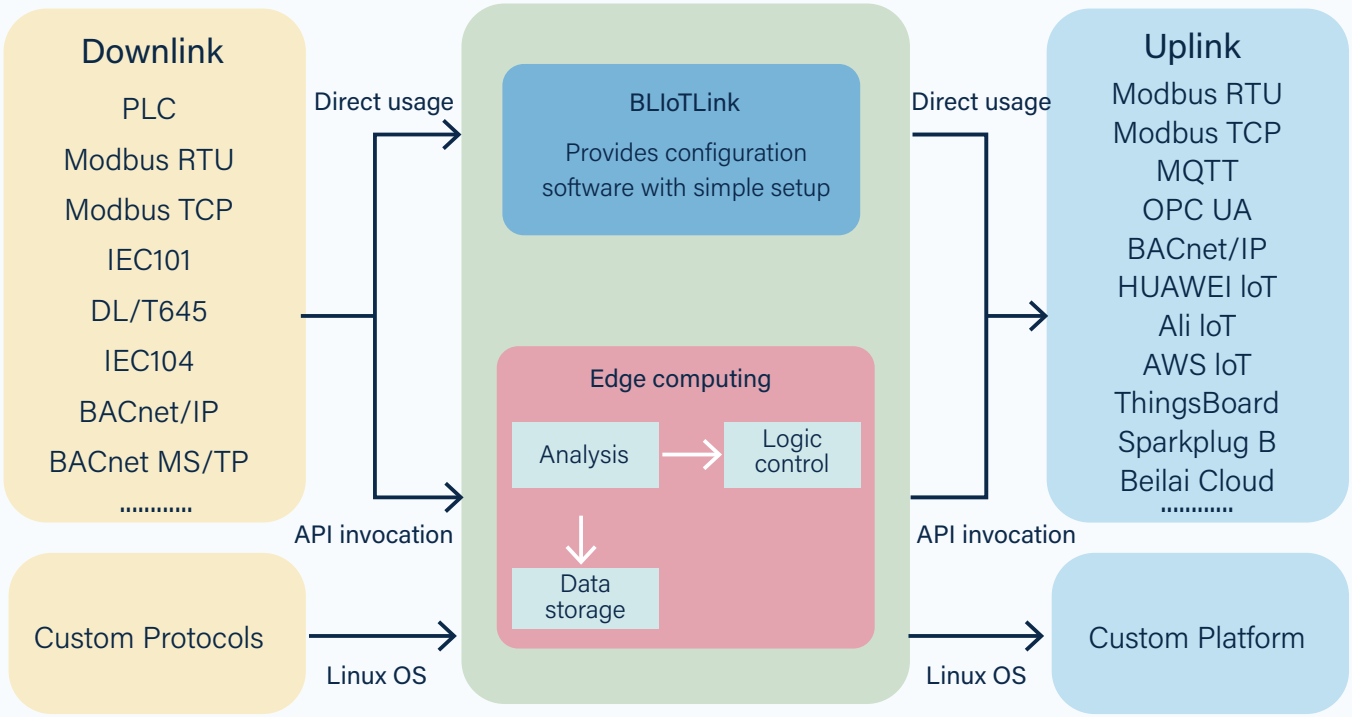
BLIoTLink is a free industrial IoT protocol conversion software developed by BEILAI TECH to advance the industrial IoT sector. It supports the conversion between various PLC protocols, Modbus, BACnet, DL/T645, IEC104, IEC61850, OPC UA, MQTT, SNMP, and more, enabling edge computing and other applications. BLIoTLink also includes drivers for Huawei IoT, Alibaba IoT, AWS, ThingsBoard, Ignition, SCADA, Sparkplug B, among others, serving as a seamless bridge for communication between OT and IT.

BLIoTLink

Features

- Support multiple protocols;
- Supports API integration;
- Supports Linux, Debian, Ubuntu.

BLIoTLink Industrial Protocol Conversion Software



BLIoTLink Classification

Name	Model	Application Scenarios	Data Point	Devices
IIoT Gateway	BLIoTLink-IoT100	PLC, Modbus access to IoT platforms and OPC UA clients for SCADA, etc.	4000	100
Smart Building Gateway	BLIoTLink-BAS100	Building automation and HVAC		
Smart Energy Gateway	BLIoTLink-ENG100	Smart Energy and Power Automation		
Pro Version	BLIoTLink-Pro100	Industrial Automation and IIoT		
Customization available for additional protocols, acquisition devices, data points, and more.				

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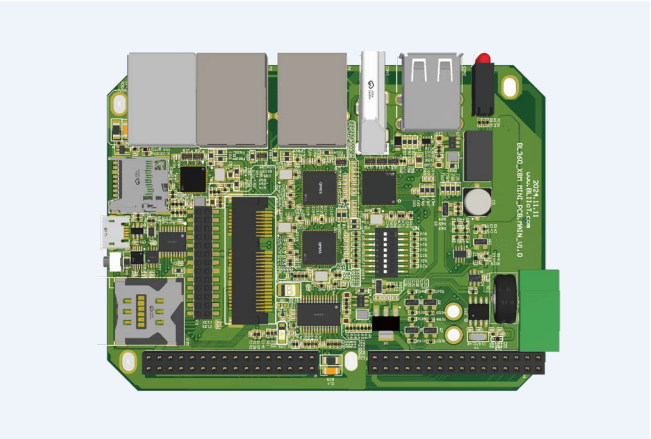
SHENZHEN BEILAI TECHNOLOGY CO., LTD

BEILAI TECH can undertake customized product development of industrial automation and IoT and supports OEM and ODM services.



Beilai Tech has a strong R&D team with rich industry R&D and manufacturing experience. It has passed ISO9001 quality management certification and can undertake customized development services.

Can be customized according to performance requirements, size and application needs.

BLIIOT Main Product Lines

- Industrial Automation I/O System and Gateways
- IIoT Gateways and I/O System
- OPC UA I/O System and Gateways
- Building Automation and HVAC I/O System and Gateways
- Power Automation I/O System and Gateways
- **ARM Industrial Computer and Edge Computing Gateway**
- Rugged Industrial I/O Modules
- Sensor Distributor

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Company Website: www.bliiot.com

TEL: 0086-755-29451836

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