

BLIIOT BL206 Distributed Distributed Input Output Ethernet User Manual

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BL206 Distributed Distributed Input Output Ethernet

Preface

Thanks for choosing BLIIoT Distributed I/O. These operating instructions contain all the information you need for operation of BL206 and BL206 Pro.

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Disclaimer

This document is designed for assisting user to better understand the device. As the described device is under continuous improvement, this manual may be updated or revised from time to time without prior notice. Please follow the instructions in the manual. Any damages caused by wrong operation will be beyond warranty.

Revision History

Update Date	Version	Description	Owner
2021-10-13	V1.0	First Edition	ZLF
2022-07-01	V1.1	Add Profinet, EtherCAT protocol, add platform, logic control functions	HYQ
2023-07-27	V1.1	Change Model name	HYQ
2023-10-24	V1.2	Add BL203, BL206, BL207 description	HYQ
2023-10-24	V1.2	User manual split by model	HYQ

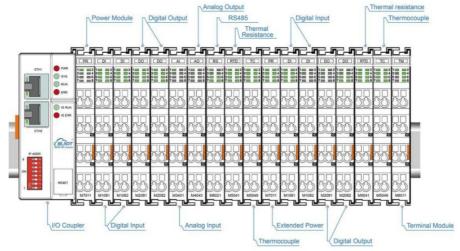
Product Introduction

1.1 Overview

The BL206Pro EdgelO controller is a data acquisition and control system based on a powerful 32-bit microprocessor design with Linux operating system, supports Modbus, MQTT, OPC UA protocols for quick access to on-site PLC, DCS, PAS, MES, Ignition, and SCADA as well as ERP systems, as well as quick connectivity to a number of cloud platforms such as AWS Cloud, Thingsboard, Huawei Cloud, and Ali Cloud.

The I/O system supports programmable logic control, edge computing, and customized applications, it is widely applicable to a variety of IIoT and industrial automation solutions.

The BL206Pro distributed I/O system consists of 3 parts: Controller, I/O modules and terminal module.



The communication between the I/O and the field devices (eg PLC) takes place via the Ethernet port of the controller, and the communication between the controller and the I/O modules takes place via the local bus. The two Ethernet ports are internally integrated with a switch function, which can establish a linear topology without the need for additional switches or hubs.

The system needs to use the power module to provide 24VDC system voltage and 24VDC field voltage. Since two independent power supplies are used, the field voltage input interface and system voltage input interface of BL206Pro controller are electrically isolated from each other.

When assembling fieldbus node modules, each I/O module can be arranged in any combination, and it is not required to be grouped by module type.

A terminal module must be plugged into the end of a fieldbus node to ensure correct data transmission.

1.2 Typical Application

High reliability, easy expansion, easy setting, and convenient network wiring, these capabilities let users efficiently adapt the BL206Pro I/O system to a variety of complex industrial solutions.

The I/O system is widely applicable to a variety of industrial solutions, such as Internet of Things, smart factories, smart cities, smart medical care, smart homes, smart transportation, data center power environment monitoring, electric power, oil monitoring, automobiles, warehousing and logistics and other industries.

1.3 Features

- Each I/O system can have a maximum of I/O 32 modules.
- Support Modbus, MQTT, OPC UA protocols.
- Support Alibaba Cloud, Huawei Cloud, AWS Cloud, Thingsboard, Ignition, etc.
- Support programmable logic control, edge computing.
- The field side, the system side and the bus side are electrically isolated from each other.
- Support 2 X RJ45 interface, integrated switch function, can establish line topology, without the need for additional switches or hubs.
- Convenient wiring connection technology, screw-free installation.

1.4 Model List

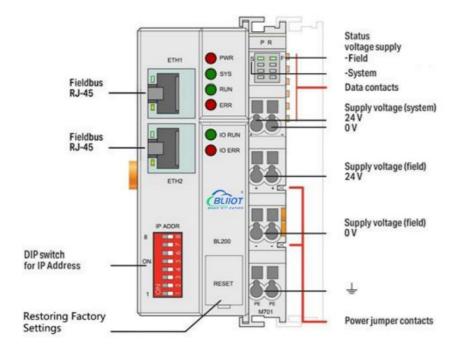
Description	Model	Channel	Туре
Modbus-TCP I/O Coupler	BL200	/	1
Profinet I/O Coupler	BL201	/	1
EtherCAT I/O Coupler	BL202	/	/
Ethernet/IP I/O Coupler	BL203	/	/

OPC UA EdgelO Controller	BL205	/	/
MQTT EdgelO Controller	BL206	/	MQTT
MQTT+OPC UA+Modbus TCP	BL206Pro	/	MQTT, OPC UA, MQTT
BACnet/IP I/O Coupler	BL207	1	/
BACnet/IP+MQTT+OPC UA	BL207Pro	1	/
8CH DI	M1081	8	NPN (low level trigger)
8CH DI	M1082	8	PNP (high level trigger)
16CH DI	M1161	16	NPN (low level trigger)
16CH DI	M1162	16	PNP (high level trigger)
4CH DO	M2044	4	Relay
8CH DO	M2081	8	PNP
8CH DO	M2082	8	NPN
16CH DO	M2161	16	PNP
16CH DO	M2162	16	NPN
4CH Al Single-Ended	M3041	4	0-20mA/4-20mA
4CH Al Single-Ended	M3043	4	0-5V/0-10V
4CH AI Differential	M3044	4	0-5V/0-10V

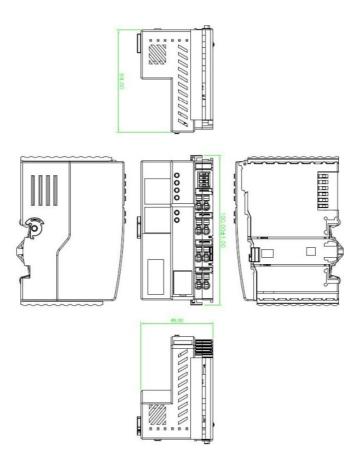
4CH AI Differential	M3046	4	±5V/±10V
4CH AO	M4041	4	0-20mA/4-20mA
4CH AO	M4043	4	0-5V/0-10V
4CH AO	M4046	4	±5V/±10V
2CH RTD	M5021	2	3Wire PT100
2CH RTD	M5022	2	3Wire PT1000
2CH RTD	M5023	2	4Wire PT100
2CH RTD	M5024	2	4Wire PT1000
4CH TC	M5048	4	TC(B/E/J/K/N/R/S/T)
2CH RS485	M6021	2	RS485
2CH RS232	M6022	2	RS232
1CH RS485, 1CH RS232	M6023	2	RS485+RS232
Power module	M7011	1	/
Terminal module	M8011	1	1

Hardware

2.1 I/O Controller

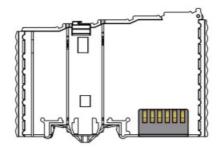


2.2 Dimension Unit:mm



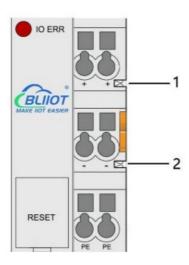
2.3 Data Contacts/Internal Bus

The communication between the I/O controller and the I/O modules, as well as the system power supply of the I/O modules are realized via the internal bus. The internal bus is made up of 6 data contacts, these gold-plated contacts are self-cleaning when connected.



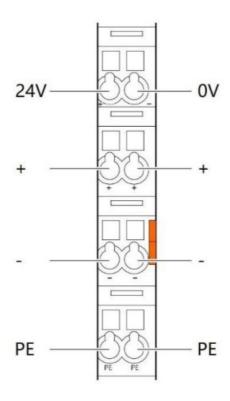
2.4 Power Jumper Contacts

The power module included with the controller has two self-cleaning power jumper contacts for powering the field side. This power supply has a maximum current of 10A across the contacts, current exceeding the maximum will damage the contacts. When configuring the system, it must be ensured that the above-mentioned maximum current is not exceeded. If it exceeds, a power expansion module needs to be inserted.



No.	Туре	Description	
1	Spring contact	Supply 24V to the field side	
2	Spring contact	Supply 0V to the field side	

2.5 Terminal Point

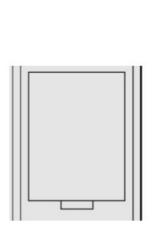


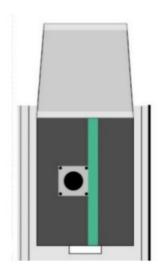
Name	Description	
24V	System Power 24VDC	
0V	System Power 0VDC	
+	Connections Field Supply 24 VDC	
+	Connections Field Supply 24 VDC	
_	Connections Field Supply 0 VDC	
_	Connections Field Supply 0VDC	
PE	Grounding	
PE	Grounding	

2.6 Factory Reset

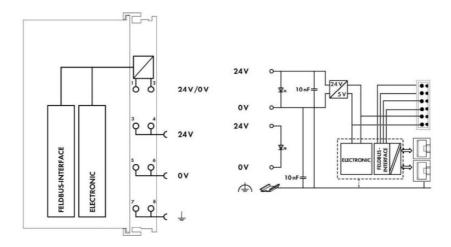
This reset button is used to restore the device configuration parameters to the factory state. Operation steps:

- 1. When the device is running, open the flip cover;
- 2. Press and hold the button for more than 5 seconds, until all the LED lights go off, indicates reset successful, and then the device will automatically restart.





2.7 Electrical Schematic



Installation

3.1 Installation Sequence

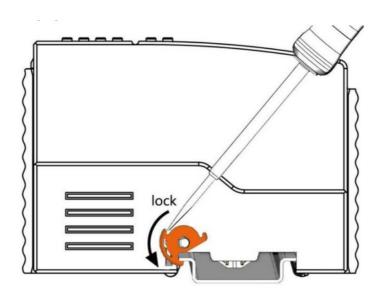
All distributed controllers and I/O modules from Beilai Technology must be mounted on a standard DIN 35 rail. Starting from the controller, the I/O modules are assembled from left to right, and the modules are installed next to each other. All I/O modules have grooves and power jumper contacts on the right side, to avoid assembly errors, I/O modules must be inserted from the right and top to avoid damage to the modules.

Utilizes a tongue and groove system to form a secure fit and connection. With the automatic locking function, the individual components are securely fixed on the rail after installation.

Don't forget to install the terminal module! Always plug a terminal module (eg TERM) into the end of the I/O module to ensure correct data transmission.

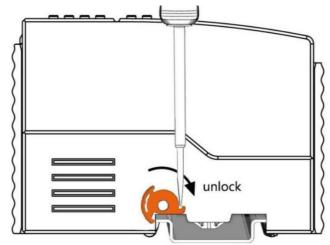
3.2 Install Controller

- 1. Snap the coupler onto the DIN rail first;
- 2. Use a tool such as a screwdriver to turn the locking cam until the locking cam engages the DIN rail.

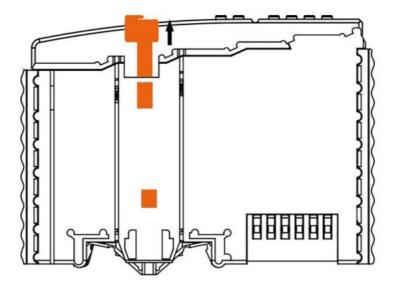


3.3 Remove Controller

1. Use a screwdriver to turn the locking disc cam until the locking cam no longer engages the rail.



2. Pull the release tab to remove the coupler from the assembly



Data or power contacts are electrically disconnected from adjacent I/O modules when the controller is removed.

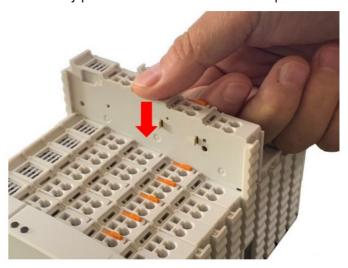
3.4 Insert I/O Modules

1. When inserting the module, make sure the tabs on the module line up with the grooves of the controller or other

I/O module to which it is attached.



2. Press the I/O module into the assembly position until the I/O module snaps into the rail.



After the I/O module is installed, the electrical connection to the controller (or the previous I/O module) and the following I/O module is established via the data contacts and the power jumper contacts.

3.5 Remove I/O Modules

Pull up on the latch to remove the I/O module from the assembly.



When the I/O module is removed, the electrical connection to the data or power jumper contacts is disconnection.

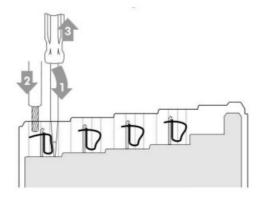
Device Connection

4.1 Wiring

CAGE CLAMP connection is suitable for solid, stranded and fine-stranded conductors.

Only one wire can be connected to each CAGE CLAMP. If there is more than one wire, it must be merged into a point before being connected.

- 1. Open the CAGE CLAMP by inserting the tool into the opening above the junction.
- 2. Insert the wire into the corresponding open connection terminal.
- 3. Once the tool is removed, the CAGE CLAMP closes and the wire is clamped firmly by the spring.



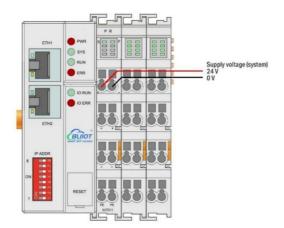
4.2 Power Supply

System and field voltages are supplied by power supply modules. The power supply module of the BL206Pro controller supplies power for the internal electronics of the controller and the I/O modules. If necessary (there are many I/O modules and the current is relatively high), it can also be provided through an independent power supply module.

The fieldbus interface (Ethernet interface), system and field are galvanically isolated from each other.

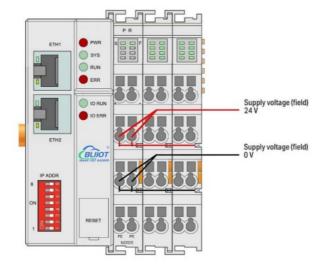
4.2.1 System Power

BL206Pro controller require 24V DC system power, which is connected from the terminal of the power supply module. The 5V bus voltage required inside the system is converted from the 24V system voltage. The power supply module only has proper fuse protection, please provide proper overcurrent protection externally. Please pay attention to matching the output power of the power supply module and the load power to avoid excessive load current.



4.2.2 On-site Power Supply

The power supply module supplies 24 VDC on the field side to power the sensors and actuators. Field power supply only has proper fuse protection. Without overcurrent protection, electronic equipment can be damaged.



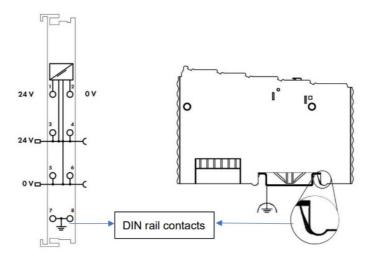
Field-side power is automatically output from the power jumper contact when the I/O module is connected. The continuous load current across the contacts of the power supply must not exceed 10 A.

The problem of excessive load power on the system side or on the field side can be solved by plugging in additional power supply modules. After plugging in an additional power supply module, a new voltage potential may appear on the field side.

In the case where electrical isolation is not required, the field power supply and the system power supply can use the same power supply.

4.2.3 Grounding

When installing the enclosure cabinet, the cabinet must be grounded, and the rail is electrically connected to the cabinet through screws to ensure that the rail is properly grounded. Grounding can increase resistance to electromagnetic interference. Some components in the I/O system have rail contacts that dissipate EMI onto the rail.



BL206 Series Controller

5.1 BL206 MQTT EdgelO Controller

5.1.1 BL206 Overview

The BL206 controller supports MQTT protocol, and data can be uploaded to Alibaba Cloud, Huawei Cloud, AWS Cloud, Thingsboard, BLIIoT cloud, Custom MQTT cloud.

5.1.2 Technical Parameters

Name	Parameters	Description

	Input voltage(system)	24 VDC	
	Input current(system)	MAX 500 mA@24VDC	
	Power Efficiency	84%	
System power	Internal bus voltage	5VDC	
	Controller current consumption	MAX 300mA@5VDC	
	I/O current consumption	MAX 1700mA@5VDC	
	Isolation protection	500 V system/supply	
	Input voltage (field)	24 VDC	
Field power	Current carrying capacity (power jumper contacts)	MAX 10 ADC	
	Number	2 X RJ45	
	Transmission medium	Twisted Pair STP 100 Ω Cat 5	
Ethernet	MAX cable length	100m	
	Baud rate	10/100 Mbit/s	
	Baud rate Isolation protection	10/100 Mbit/s ESD contact 8KV, Surge 4KV(10/1000us)	
	Isolation protection	ESD contact 8KV, Surge 4KV(10/1000us)	
	Isolation protection Operating system	ESD contact 8KV, Surge 4KV(10/1000us) Linux	
System	Isolation protection Operating system CPU	ESD contact 8KV, Surge 4KV(10/1000us) Linux 300MHz	
System	Isolation protection Operating system CPU RAM	ESD contact 8KV, Surge 4KV(10/1000us) Linux 300MHz 64MB	
System	Isolation protection Operating system CPU RAM Flash	ESD contact 8KV, Surge 4KV(10/1000us) Linux 300MHz 64MB 128MB	
System	Isolation protection Operating system CPU RAM Flash Number of I/O modules	ESD contact 8KV, Surge 4KV(10/1000us) Linux 300MHz 64MB 128MB MAX 32	
System	Isolation protection Operating system CPU RAM Flash Number of I/O modules Protocols	ESD contact 8KV, Surge 4KV(10/1000us) Linux 300MHz 64MB 128MB MAX 32 MQTT, HTTP, DHCP, DNS	

	Strip length	8 mm ··· 9 mm / 0.33 in
	Working temperature	0 ··· 55 °C
	Storage temperature	-40 ··· 70 °C
	Relative humidity	5 ··· 95% no condensation
Environment	Working altitude	0 ··· 2000 m
	Protection	IP20
	Width	48mm
Dimension	Length	100mm
	Height	69mm

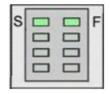
	Color	Light gray
Material	Housing material	Polycarbonate, Nylon 6.6
	Fire load	1.239 MJ
	Weight	180g
Installation	Method	DIN-35
		EN 55022: 2006/A1: 2007 (CE &RE)
	EMC	Class B
		IEC 61000-4-2 (ESD) Level 4
		IEC 61000-4-3 (RS) Level 4
Certificated		IEC 61000-4-4 (EFT) Level 4
		IEC 61000-4-5 (Surge)Level 3
		IEC 61000-4-6 (CS)Level 4
		IEC 61000-4-8 (M/S) Level 4

5.1.3 Hardware Interface 5.1.3.1 LED Indicators



LED	Description	Color	Status	Meaning
PWR	PWR Power indicator	Red	ON	Power connection successful
	1 ower mulcator		OFF	No power
SYS	System indicator	Groon	ON	System is abnormal
313	System mulcator	Green	OFF	System is running normally
RUN		Green	Flashing	System is running normally
HON	Running indicator		OFF	System is abnormal
EDD Empire North		ON	Northbound protocol connection error	
ERR	Error indicator	Red	OFF	No errors

I/O RUN	I/O Running indicator	Green	Flashing	I/O module is working normally
			OFF	Module not inserted
I/O ERR	I/O Error indicator	Red	ON	I/O module communication error
I/O ERR	I/O Endi indicator	neu	OFF	No errors

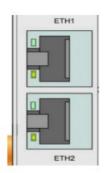


LED	Description	Color	Status	Meaning
			ON	Power is OK
S	System 24V power indicator	Green	OFF	No power
F	Field 24V power indicator	Green	ON	Power is OK
ı	Tiela 24 v power illalcator	Groen	OFF	No power

5.1.3.2 Ethernet Port

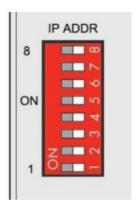
Connect to the Ethernet-based fieldbus through ETH2.

EHT1 is used to connect other nodes that need to be connected to the Ethernet.



5.1.3.3 IP Address Selection Switch

The 8-bit DIP switch is used to set the IP address. The encoding of DIP switches is done bit by bit, starting from DIP switch 1 with the least significant bit (2 0) to DIP switch 8 with the most significant bit (2 7), corresponding to decimal values: 0-255.



When the value of the DIP switch is 1111 1111 (decimal 255), the IP address is set according to the web page. The web page setting can specify the IP or set the automatic acquisition. When the web page is not set, the IP address is: 192.168.1.10 When the value of the DIP switch is 0000 0000 – 1111 1110 (decimal 0-254), determine the 3rd byte of the IP address, and the 1st, 2nd and 4th bytes are fixed bytes, namely 192.168.xxx.253

5.1.4 MQTT Identifiers

The MQTT identifier is REG+Modbus mapping address (such as the first DO module first DO: REG1000).

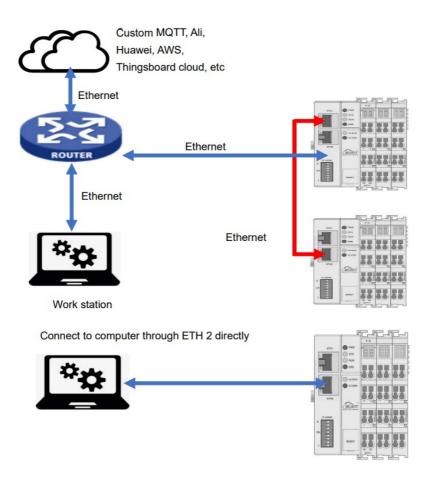
5.1.5 Controller Connection

The BL206 controller comes with 2 x RJ45 Ethernet ports, integrated switch function inside, work in store-and-forward operation mode, each port supports 10/100 Mbit transmission speed and full-duplex and half-duplex transmission mode.

The BL206 controller connect to the router Ethernet network via ETH2 only, while the EHT 1 is for connecting other nodes.

The internal integrated switch supports bypass mode, which can automatically start the bypass mode when the controller system fails, and automatically maintain the link between ETH1 and EHT2.

The wiring of these Ethernet ports conforms to the 100BaseTX specification, which specifies the use of category 5 twisted pair cable as the connecting cable. Cable types S/UTP (Screened unshielded twisted pair) and STP (shielded twisted pair) can be used up to a length of 100m.



5.1.6 Web Page Configuration

BL206 MQTT Controllerr built-in web server is a browser-based configuration utility.

When a node is connected to your network, you can access the web console by entering the IP address of the server in your web browser.

5.1.6.1 Preparation Before Configuration

To successfully access the BL206, it must be properly installed and connected to the computer. In addition, configure them with correct IP addresses to keep them in the same network segment.

5.1.6.1.1 Connect Computer and Controller

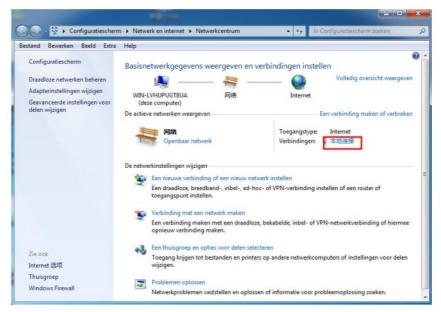
- 1. Mount the fieldbus node on a DIN35 rail. Follow the installation instructions in the "Installation" chapter.
- 2. Connect the 24 V power supply to the system power terminals.
- 3. The computer and the bus node can be connected in two ways, one is that the two are connected to the switch device of the local area network through the Ethernet port; the other is that the two are directly connected point-to-point. For detailed steps, follow the instructions in the "Controller Connection" chapter.
- 4. Turn on the power supply and start supplying power.
 The controller is initialized after power-up, creates process image according to the I/O modules configuration of the node.

5.1.6.1.2 Configure Computer IP Address

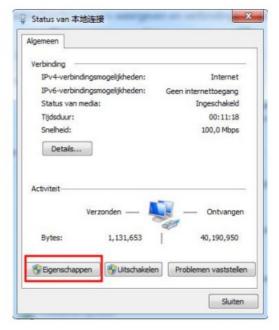
There are two ways to configure PC IP address. One is to turn on the automatic IP address option on the PC's local connection to dynamically assign DHCP in the network. The other is to configure a static IP address with the

coupler node on the same network segment on the local connection of the PC. Takes Windows 7 system as an example for configuration. Windows systems are all configured similarly.

1. Click Start > Control Panel > Network and Sharing Center, and click local connection in the window that opens.



2. In the local connection status window, click Properties.

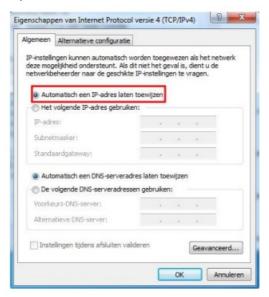


3. Double-click "Internet Protocol Version 4 (TCP/IPv4)" on the local connection properties page.



- 4. There are two ways to configure the IP address of the PC
 - Obtain IP address automatically (system default mode)

To obtain an IP address automatically from a DHCP server, select "Obtain an IP address automatically";



· Set a static IP address

Select "Use the following IP address" and set the correct values for the IP address, subnet mask and default gateway.



5.1.6.1.3 Configure Controller IP address

There are 2 ways to assign an IP address

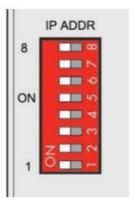
- Assignment via built-in web page (static IP or automatic IP assignment)
- Assign via DIP switch (static IP)

DIP address selector switch definition

Switch position ON = 1	Value	Definition
0000 0000 — 1111 1110	0-254	Enable the DIP selector switch assignment function and de termine the value of the 3rd byte. Example: 0010 0110 (22 decimal), the IP address is "192.1 68.22.253".
1111 1111	255	Enable the function of specifying IP on the web page, or sel ect the function of DHCP automatic allocation. When the IP is not allocated through the web, the IP is 192.168.1.10.

5.1.6.1.3.1 Configuration via Web Page

The controller can be set to an IP address via the "Settings" page after entering the page, or it can be set to be assigned automatically. Select static address, if not set IP address, the IP is 192.168.1.10



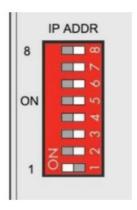
5.1.6.1.3.2 Assign IP via DIP Switch

Set the value of the DIP address selector switch to 0000 0000 - 1111 1110 (decimal 0 254), and the IP address

will be assigned by the DIP switch.

The IP address consists of fixed bytes and variable bytes. The 1st, 2nd and 4th bytes are fixed bytes, the DIP selector switch determines the 3rd byte, namely: 192.168.xxx.253

The controller assigns an IP address via a DIP switch, and the IP address set in this way is static.



5.1.6.1.4 Factory Default Settings

Before logging into the web configuration page, it is necessary for you to understand the following default parameters,

IP: Determined according to the DIP switch, if the DIP switch is 1111 1111, the default IP is 192.168.1.10 If factory default DIP switch is 0000 0000 status, then the IP is 192.168.0.253

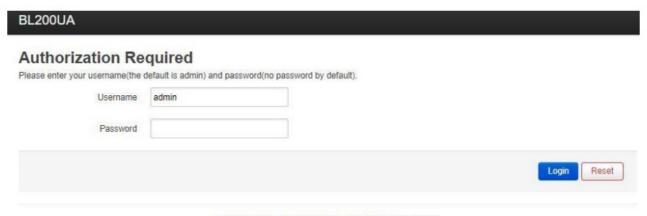
Item	Description
Username	admin
Password	Empty

5.1.6.2 Login Configuration Page

- 1. Open a browser on your computer, such as IE, Chrome, etc.
- 2. Enter the IP address of the controller node (192.168.1.10) in the address bar of the browser to enter the user login interface.

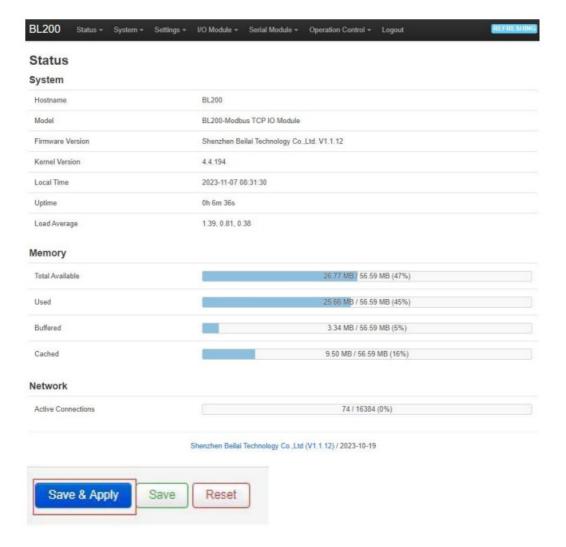


3. Enter "Username" and "Password" in the login interface, and then click Login.



4. After successfully logging in to the web interface, the display is as follows

30 pase

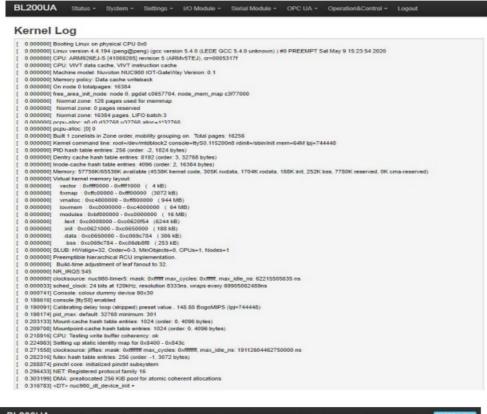


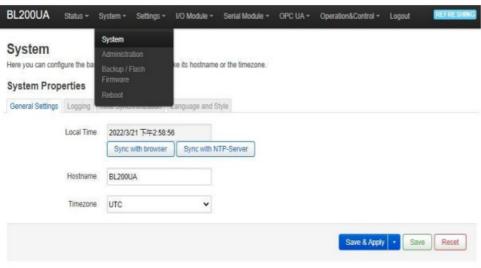
Settings = I/O Module = Serial Module = OPC UA = Operation&Control = Logout REFRESHING
BL200UA
BL200UA-OPCUA IO Module
Shenzhen Beilai Technology Co.,Lfd v1.0.11
4.4.194
2022-03-21 06:44:49
3h 31m 35s
0.16, 0.11, 0.09
26.05 MB / 56.59 MB (46%)
26.57 MB / 56.59 MB (48%)
3.21 MB / 56.59 MB (5%)
9.98 MB / 56.59 MB (17%)

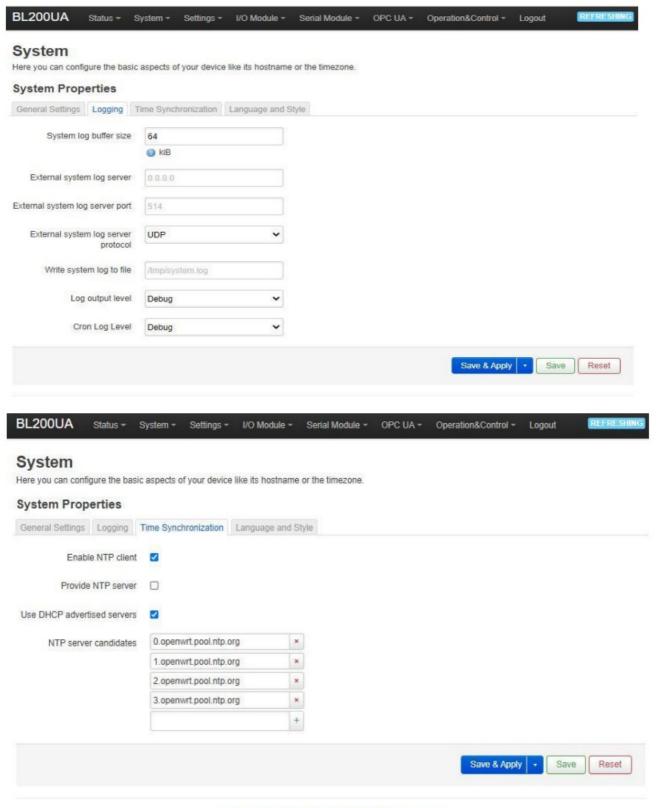
Shenzhen Beilai Technology Co.,Ltd (v1.0.11) / 2022-02-17

BL200UA Status - System - Settings - I/O Module - Serial Module - OPC UA - Operation&Control - Logout

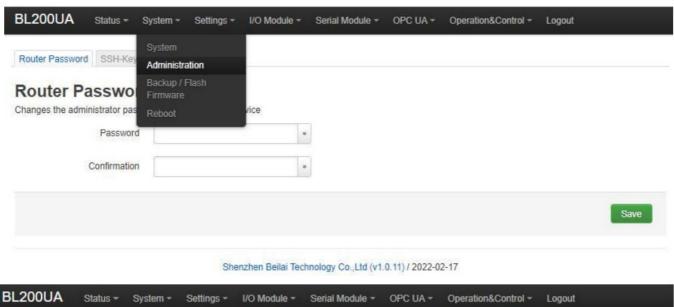
System Log







Shenzhen Beilai Technology Co., Ltd (v1.0.11) / 2022-02-17



Router Password SSH-Keys

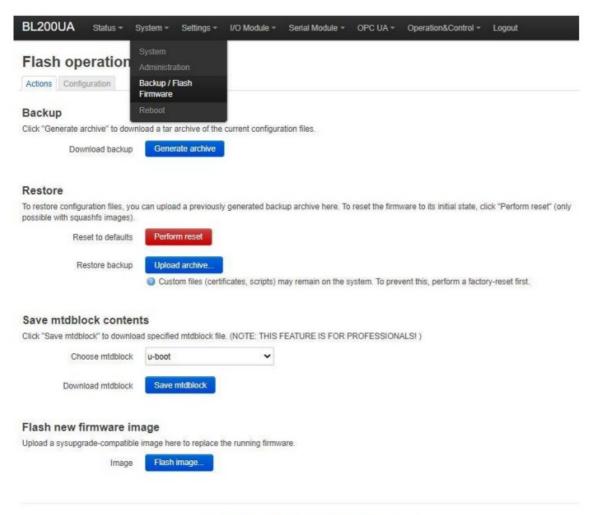
SSH-Keys

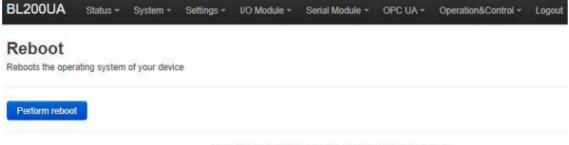
Public keys allow for the passwordless SSH logins with a higher security compared to the use of plain passwords. In order to upload a new key to the device, paste an OpenSSH compatible public key line or drag a dug. file into the input field.

No public keys present yet.

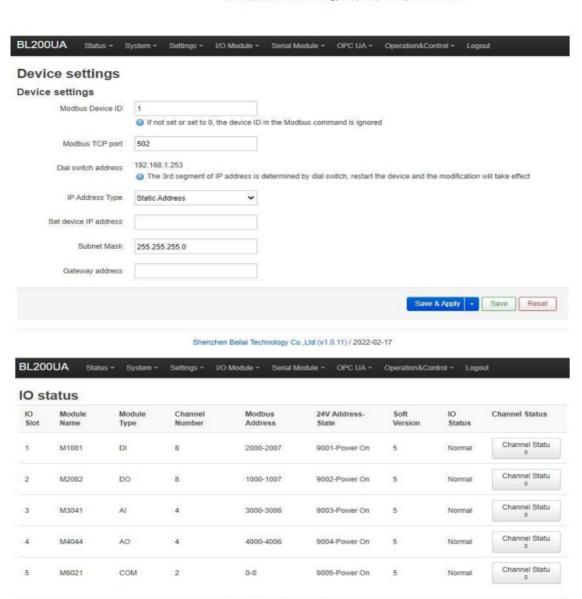
Paste or drag SSH key file... Add key

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IO status

IO Slot:1,Module Type:DI,Module Name:M1081

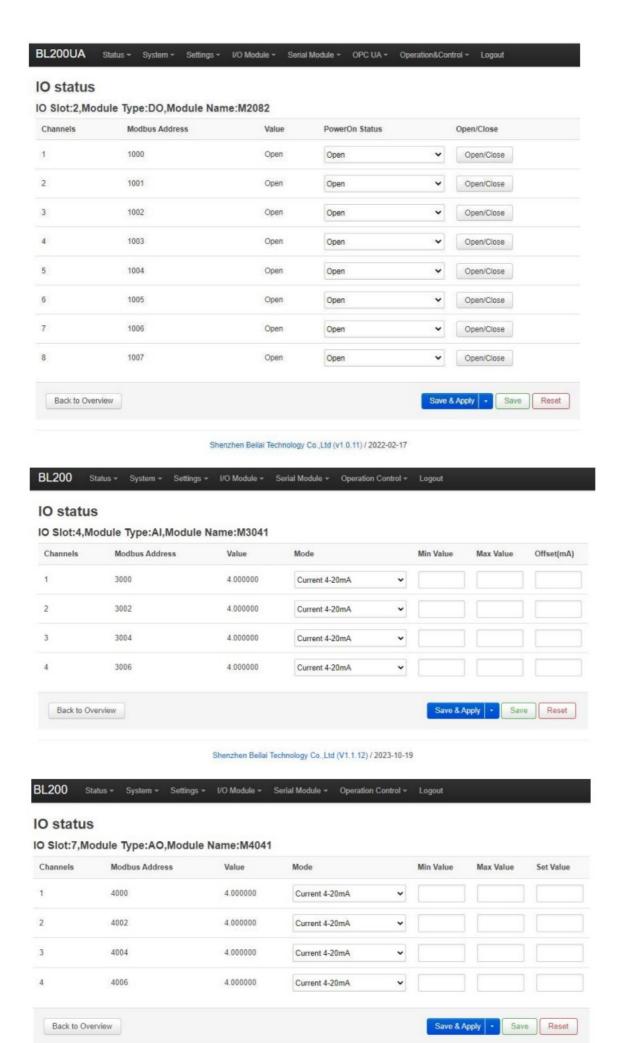
Channels	Modbus Address	Value
1	2000	Open
2	2001	Open
3	2002	Open
4	2003	Open
5	2004	Open
6	2005	Open
7	2006	Open
8	2007	Open

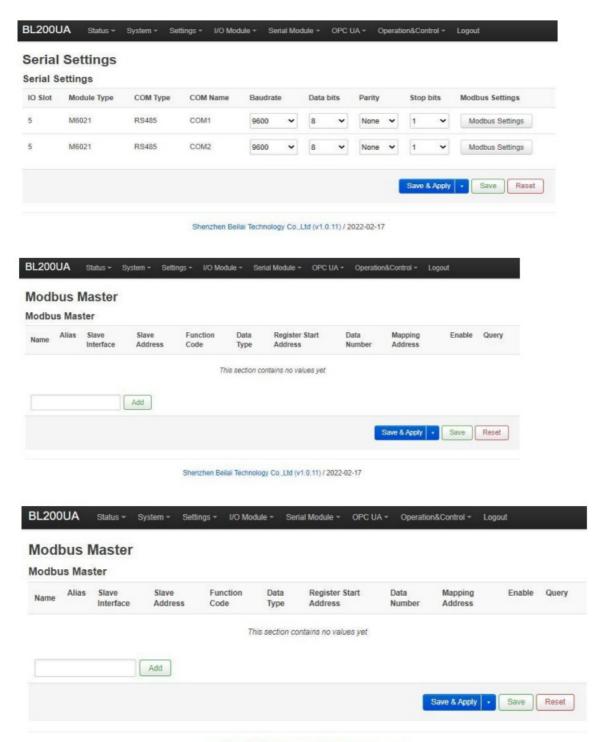
Fiter Time

Fiter Time(ms) 1.6

DI Count

Channels	Modbus Address	Value	Conut Mode	Clear
1	5000	0	Rising Edge 🗸	Clear
2	5002	0	Rising Edge 🔻	Clear
3	5004	0	Rising Edge 🔻	Clear
1	5006	0	Rising Edge 🔻	Clear
5	5008	0	Rising Edge 🗸	Clear
5	5010	0	Rising Edge 🔻	Clear
,	5012	0	Rising Edge 🔻	Clear
3	5014	0	Rising Edge 🗸	Clear





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Modbus Master - 1 Alias Slave Interface COM1 Slave Address Function Code 01-Digital Output Register Start Address 0 Data Number

Auto

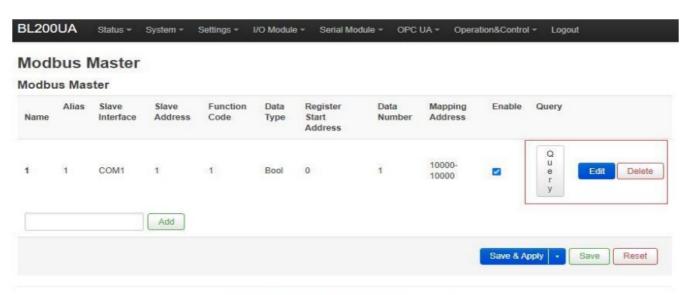
If not set, the default is 0.2s

If not set, the default is 0.5s

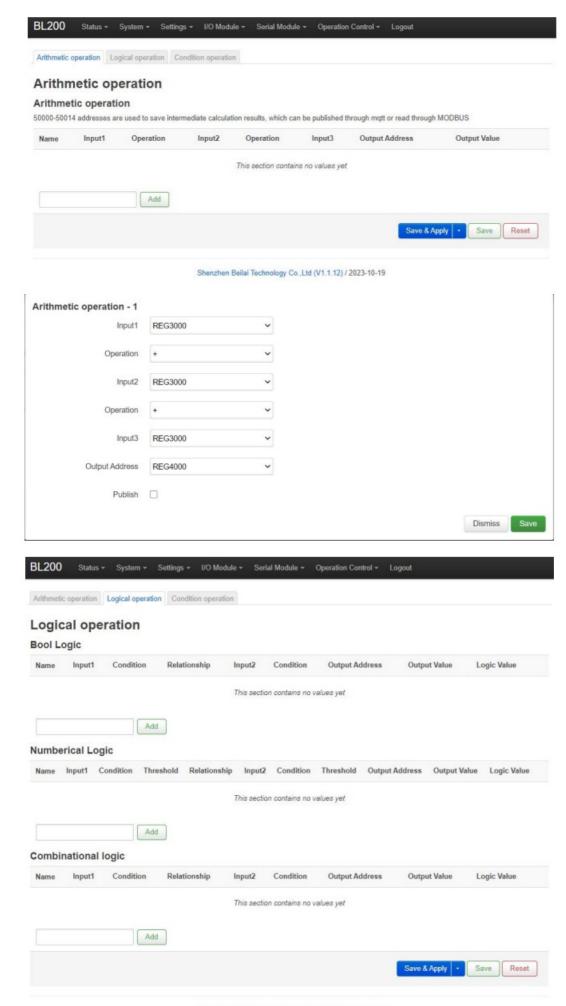
Mapping address alloc

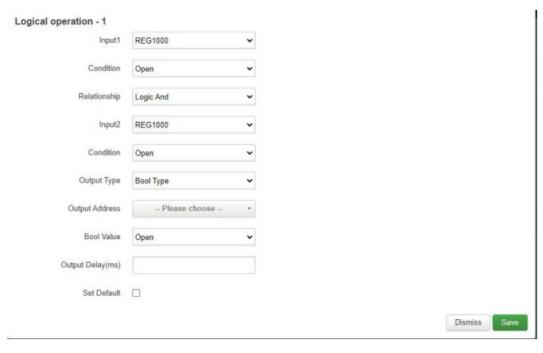
Polling period(s)

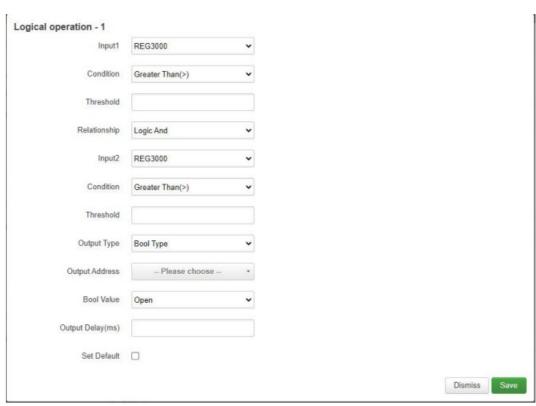
Response timeout(s)

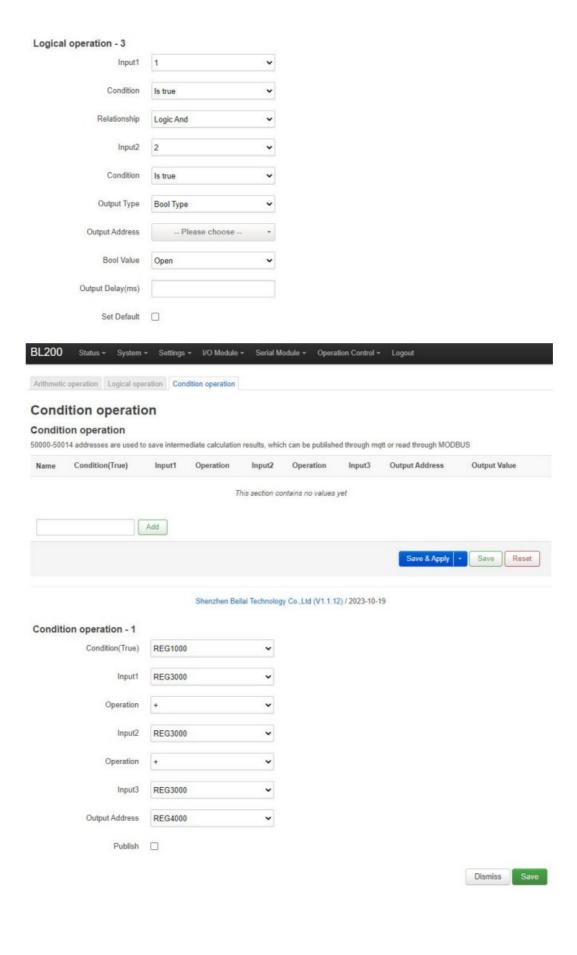


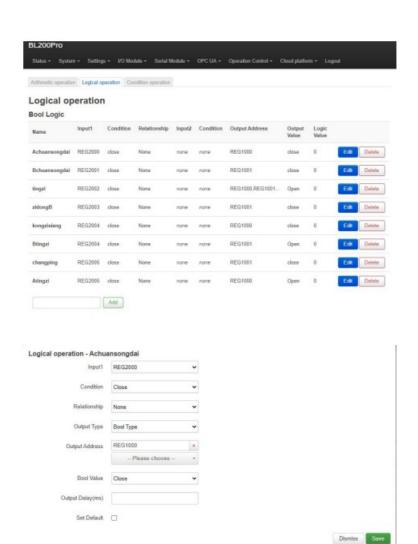
Shenzhen Beilai Technology Co.,Ltd (v1.0.11) / 2022-02-17





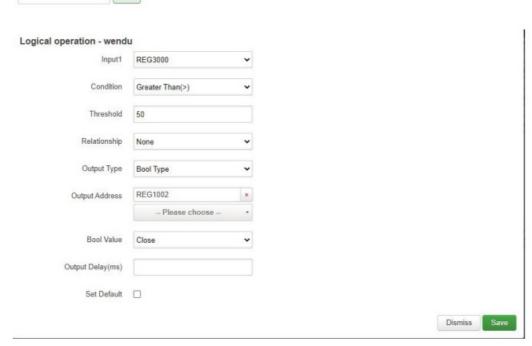






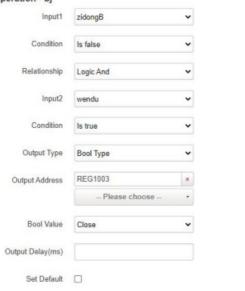
Numberical Logic

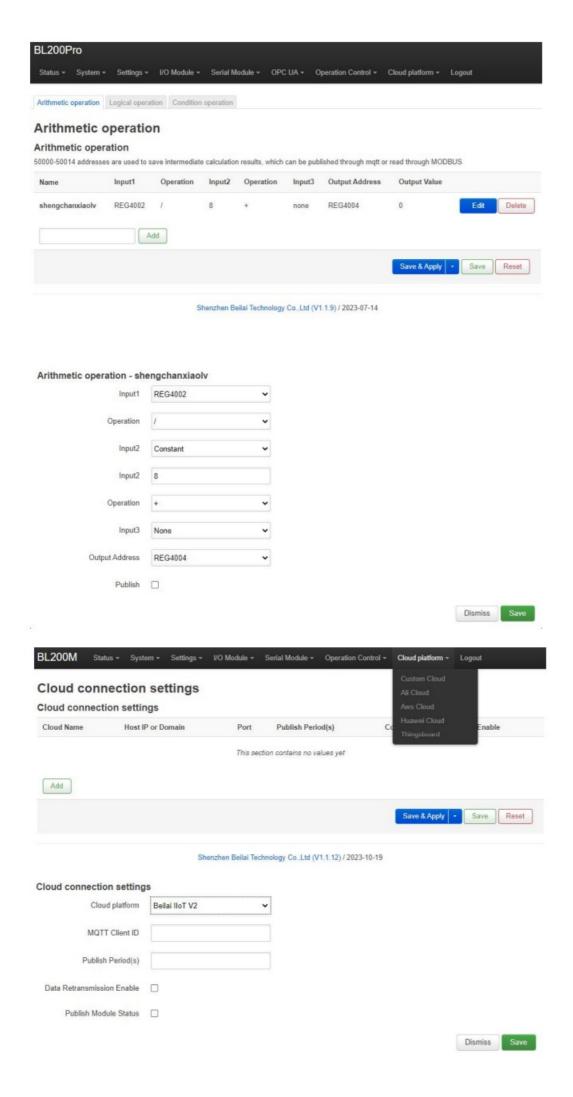




Combinational logic Name Input1 Condition Relationship Input2 Condition Output Address Output Value Logic Value bj zidongB Is false Logic And wendu Is true REG1003 close 0 Edit Delete Add Logical operation - bj Input1 zidongB

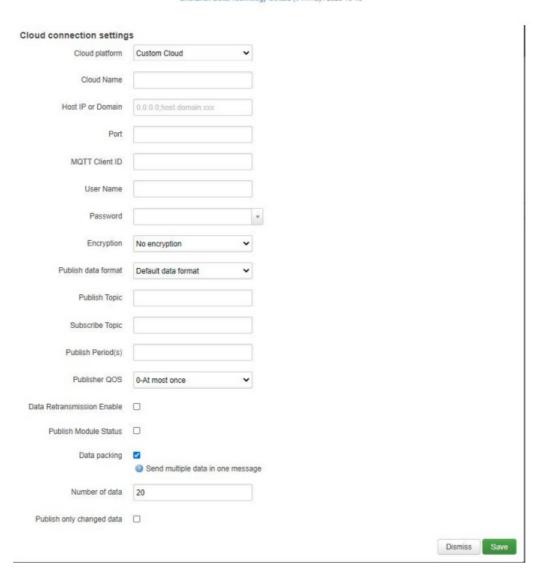
Dismiss Save

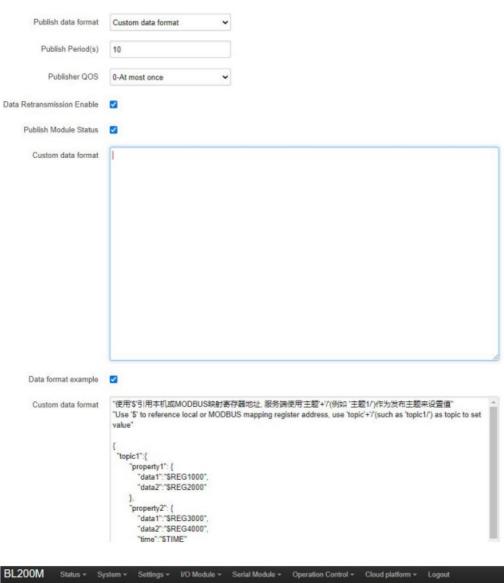






Shenzhen Beilai Technology Co.,Ltd (V1.1.12) / 2023-10-19

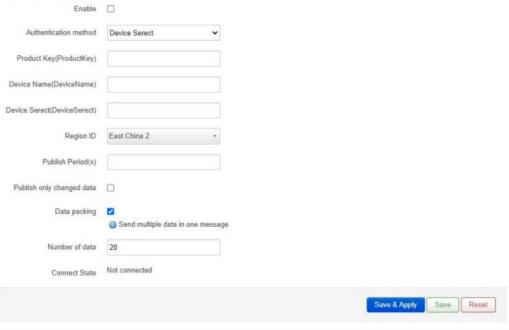


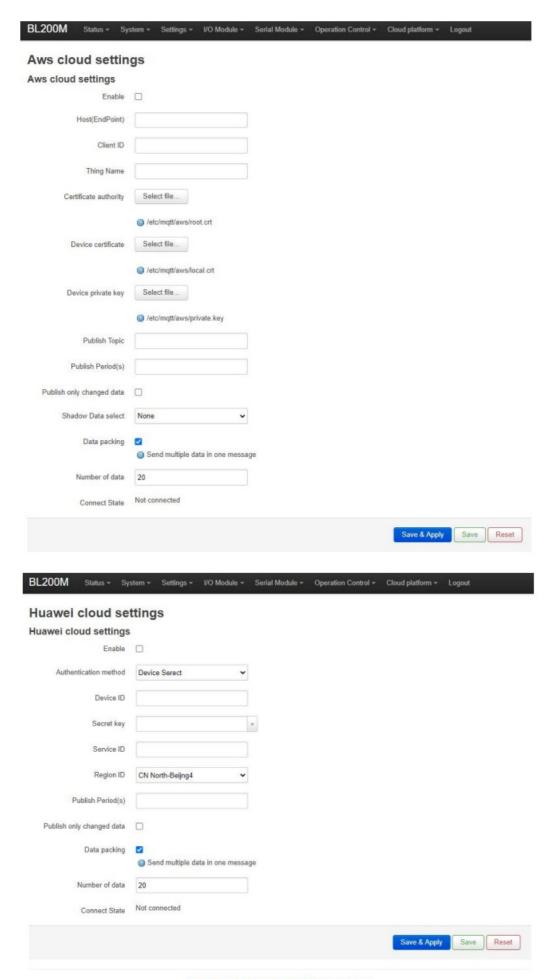


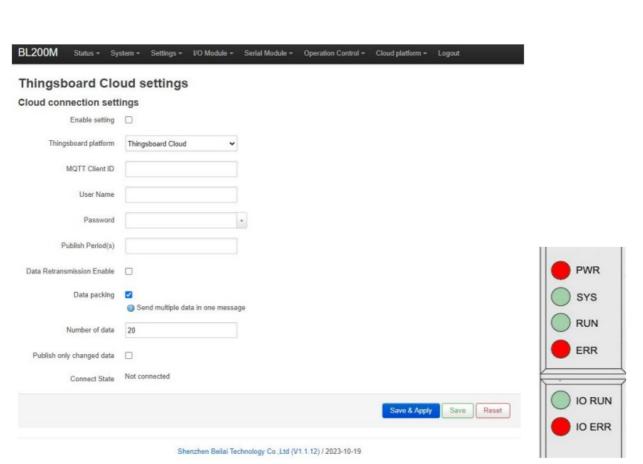
BL200M

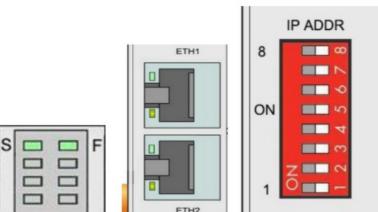
Ali cloud settings

Ali cloud settings

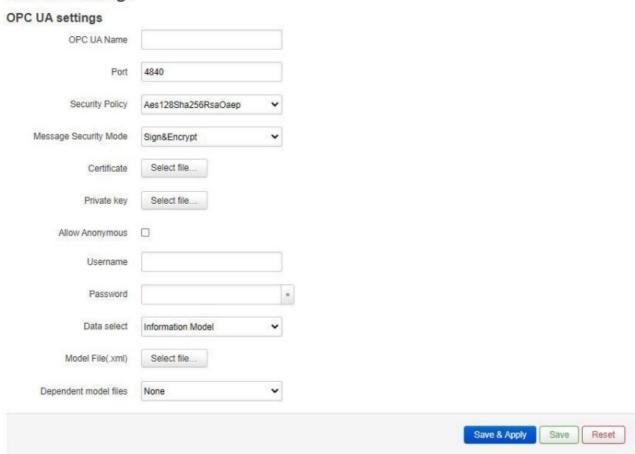




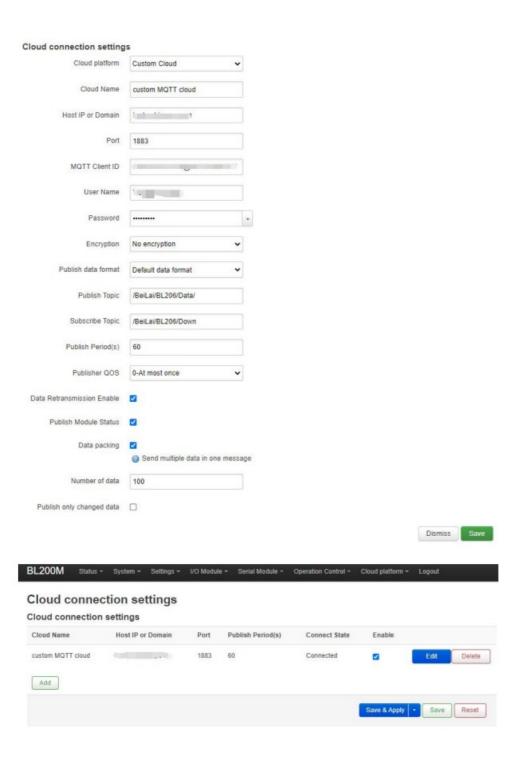


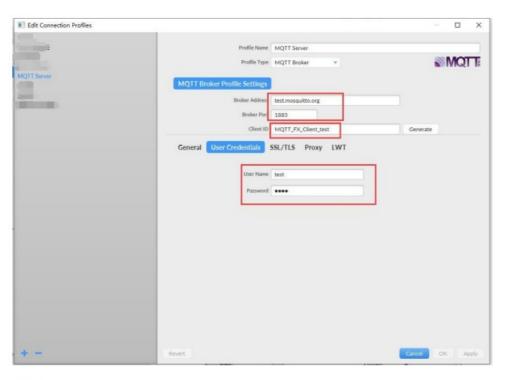


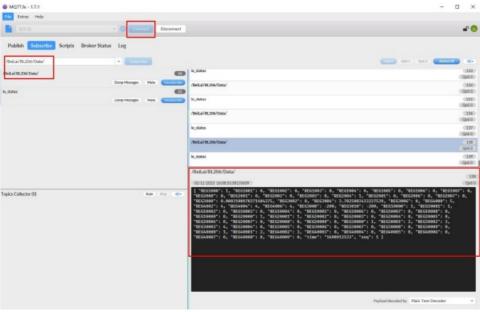
OPC UA settings

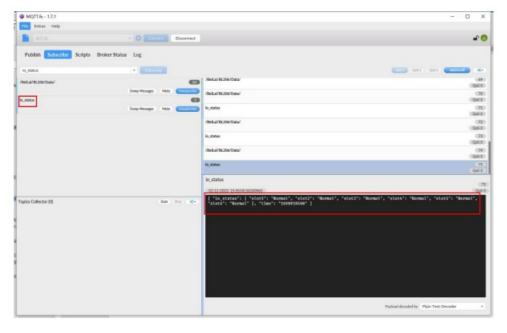


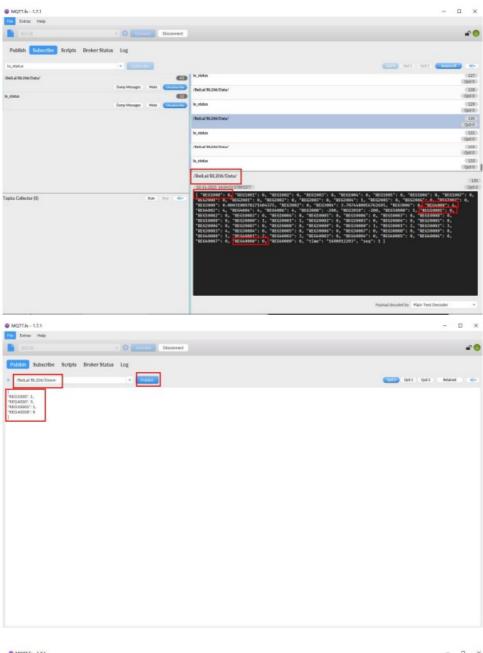
Shenzhen Beilai Technology Co.,Ltd (v1.0.11) / 2022-02-17

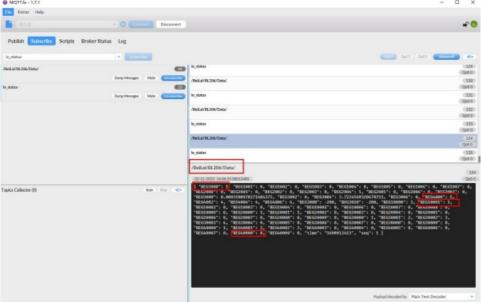


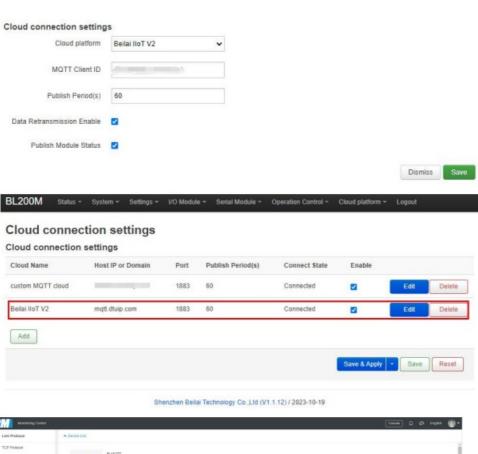


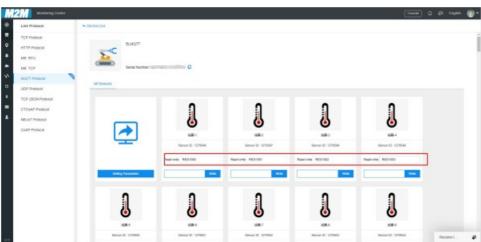


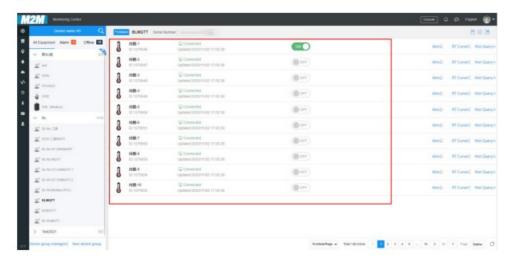


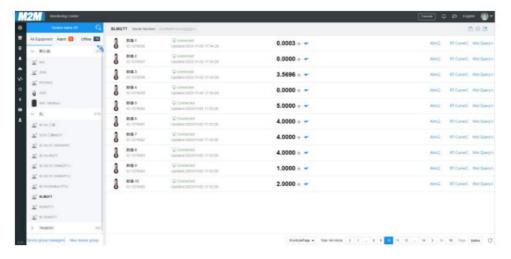








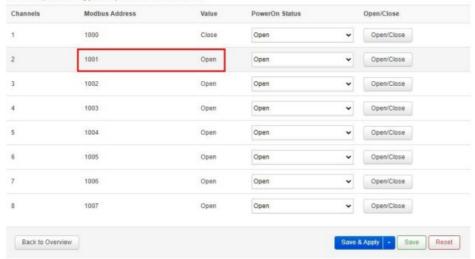


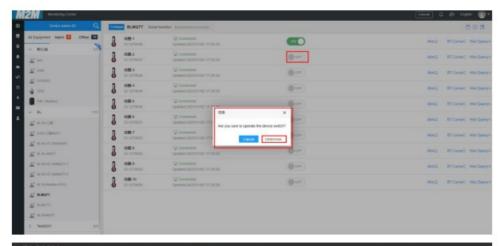




IO status

IO Slot:1,Module Type:DO,Module Name:M2082

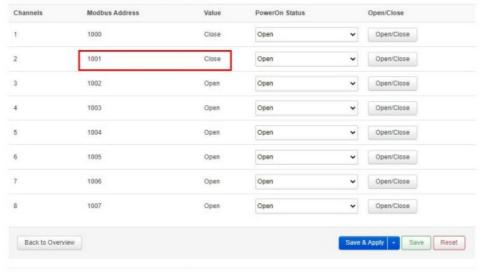




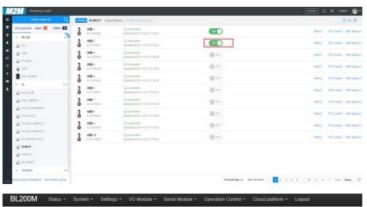


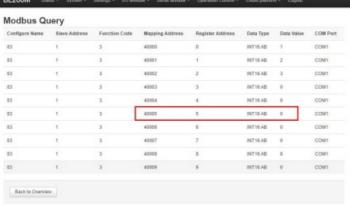
IO status

IO Slot:1,Module Type:DO,Module Name:M2082



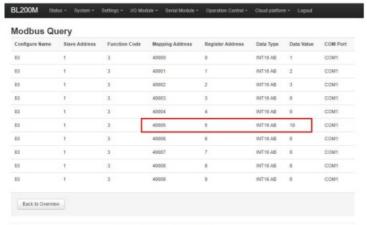
Shenzhen Beilai Technology Co.,Ltd (V1.1.12) / 2023-10-19



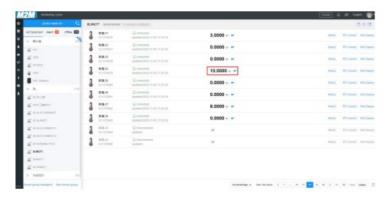


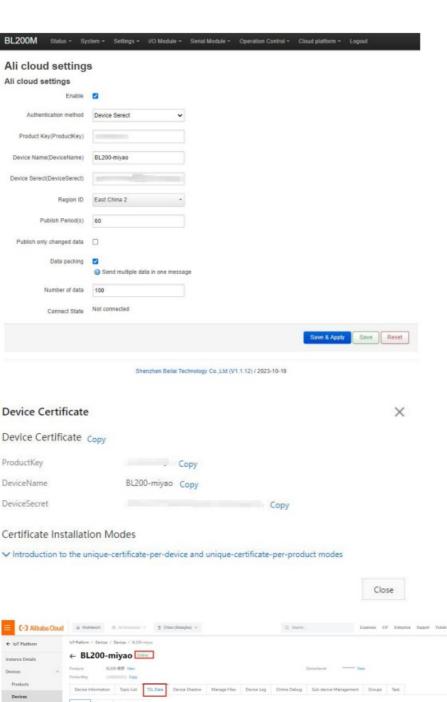
Shenzhen Beilai Technology Co.,Ltd (V1.1.12) / 2023-10-19

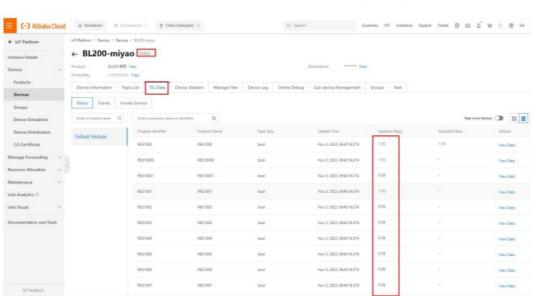


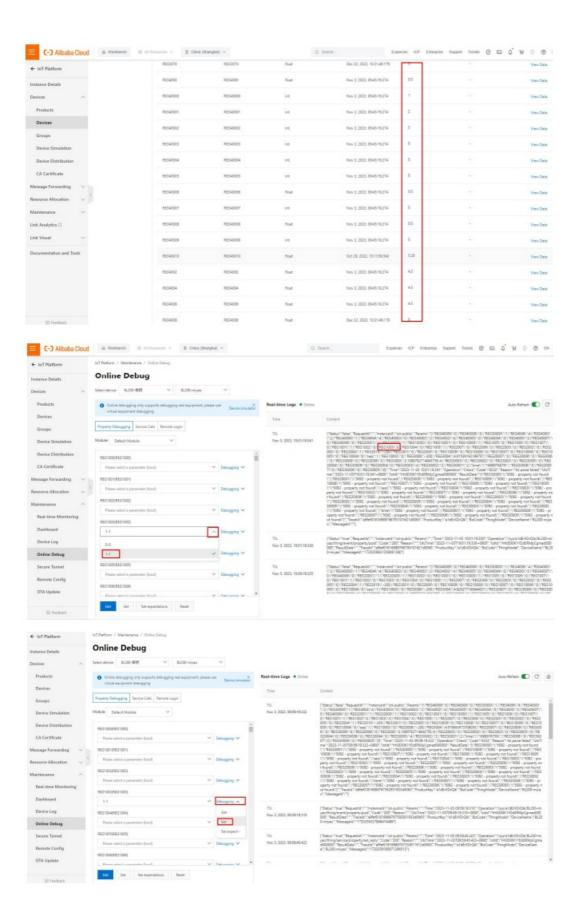


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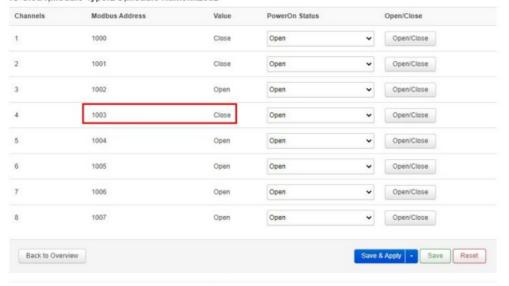




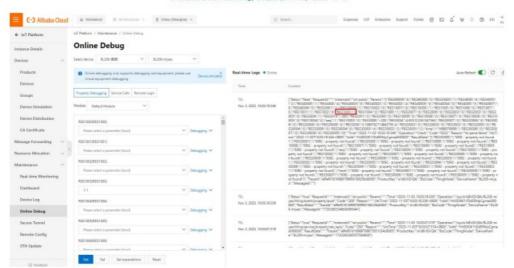


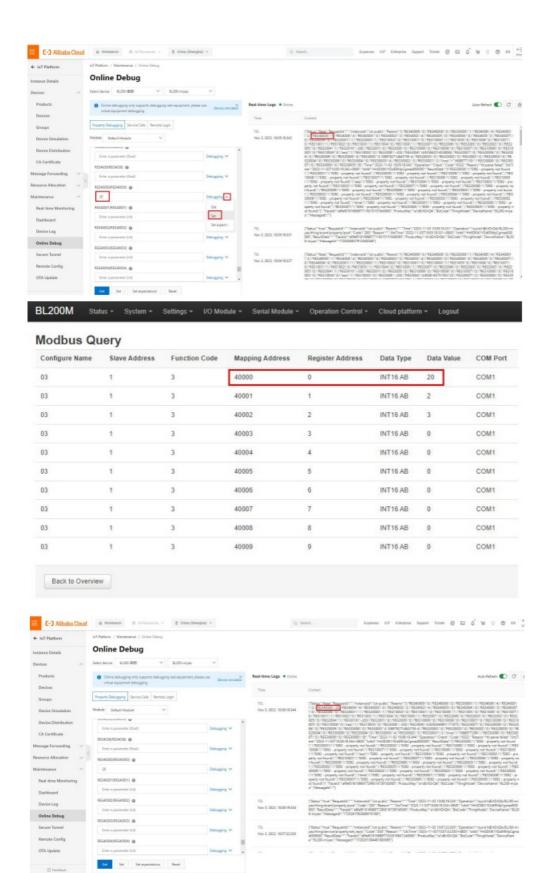
IO status

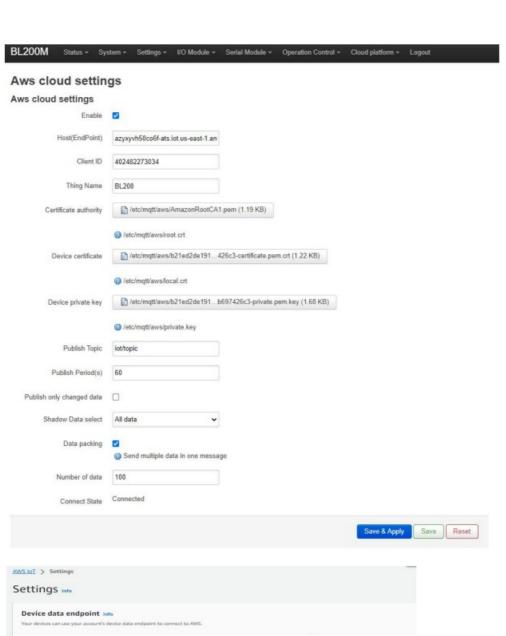
IO Slot:1,Module Type:DO,Module Name:M2082



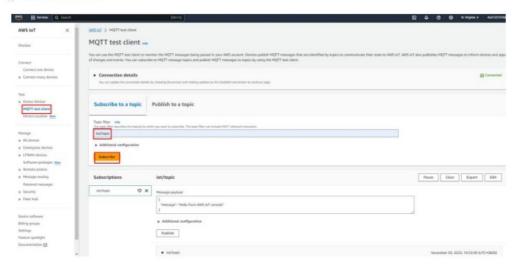
Shenzhen Beilai Technology Co.,Ltd (V1.1.12) / 2023-10-19

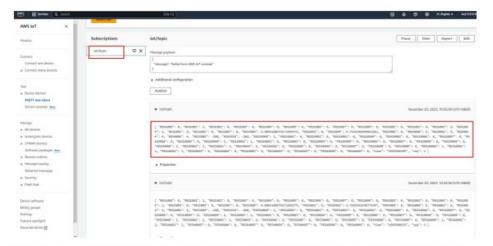






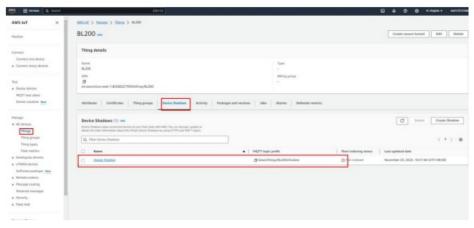


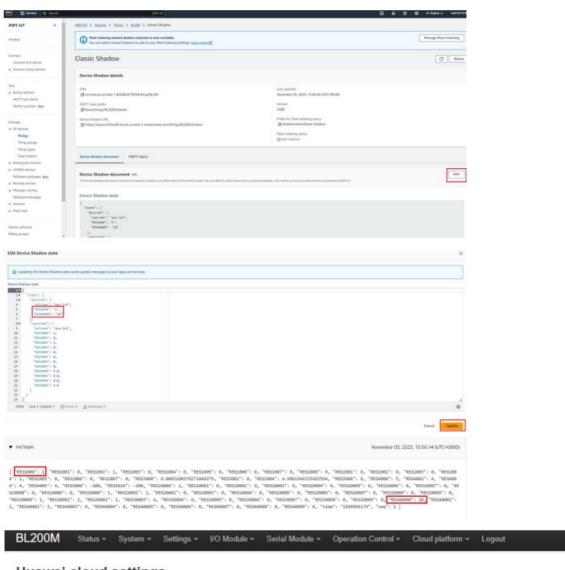




Shadow control REG1000 closed and slave REG40000 is changed from "1" to "20".

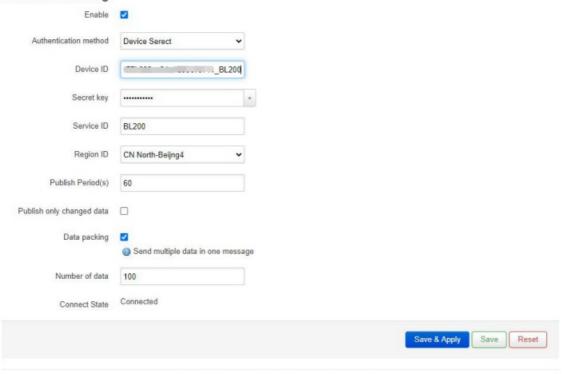


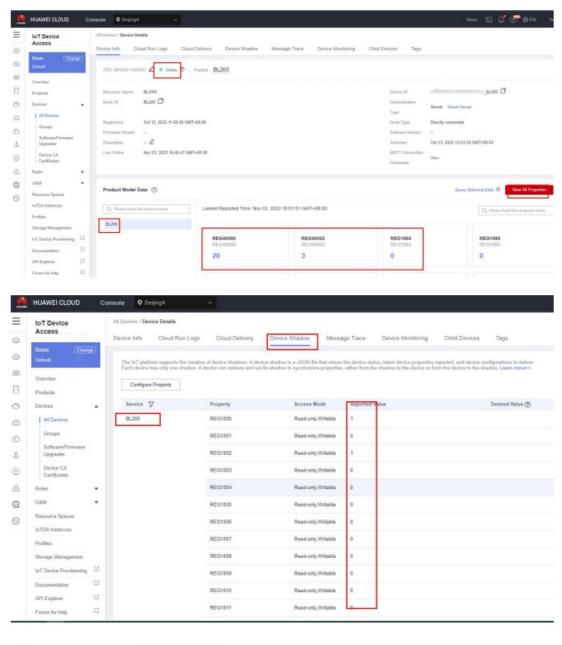


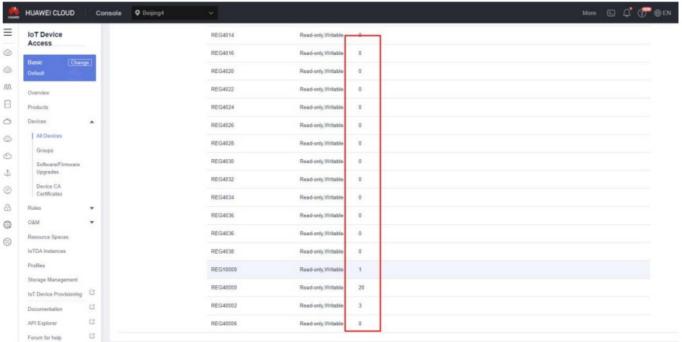


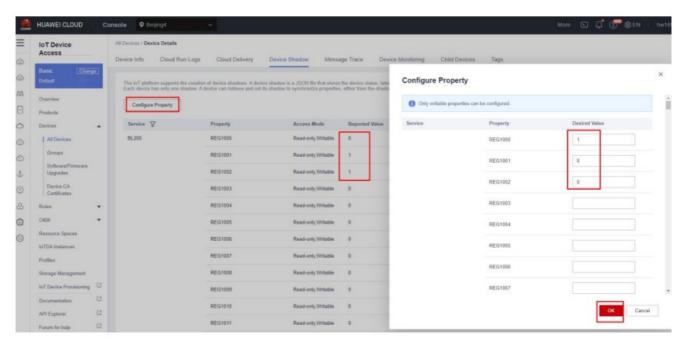
Huawei cloud settings

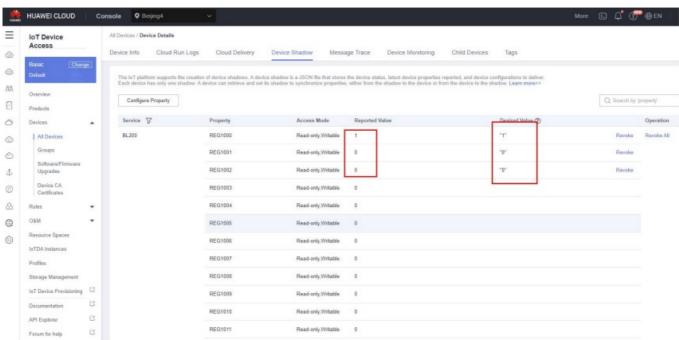
Huawei cloud settings







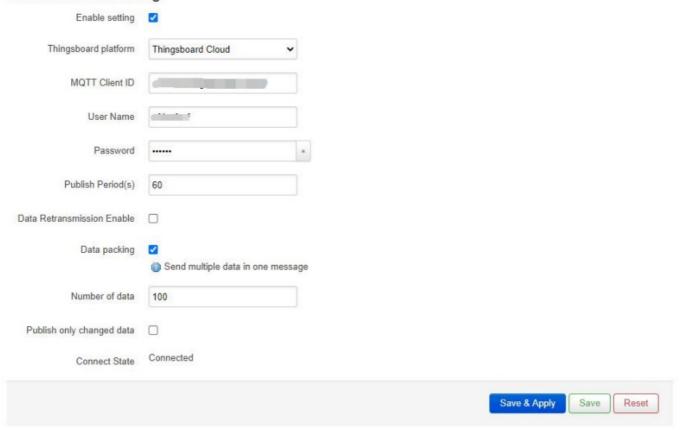


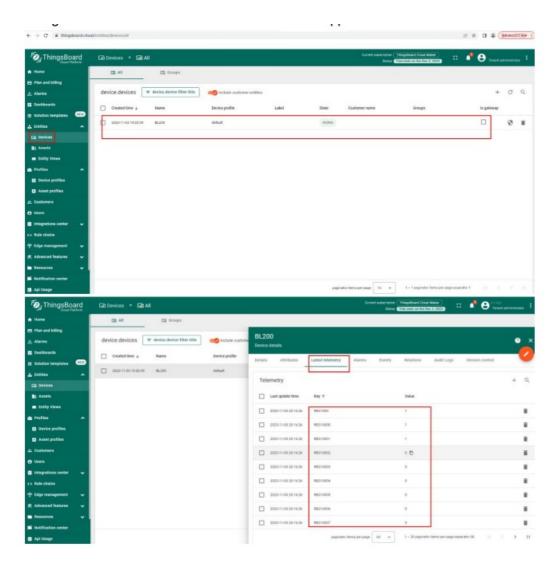


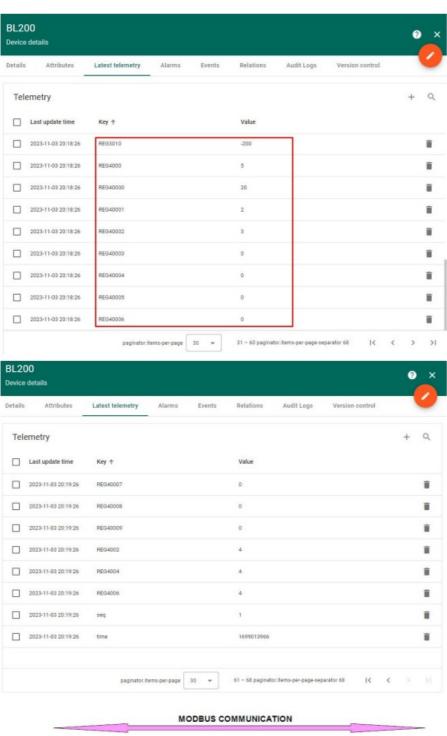
BL200M Status - System - Settings - I/O Module - Serial Module - Operation Control - Cloud platform - Logout

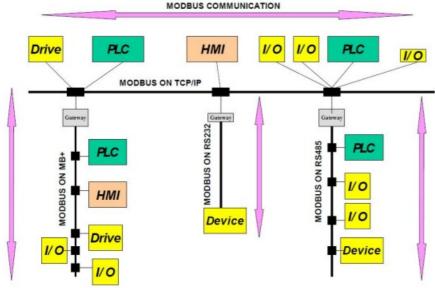
Thingsboard Cloud settings

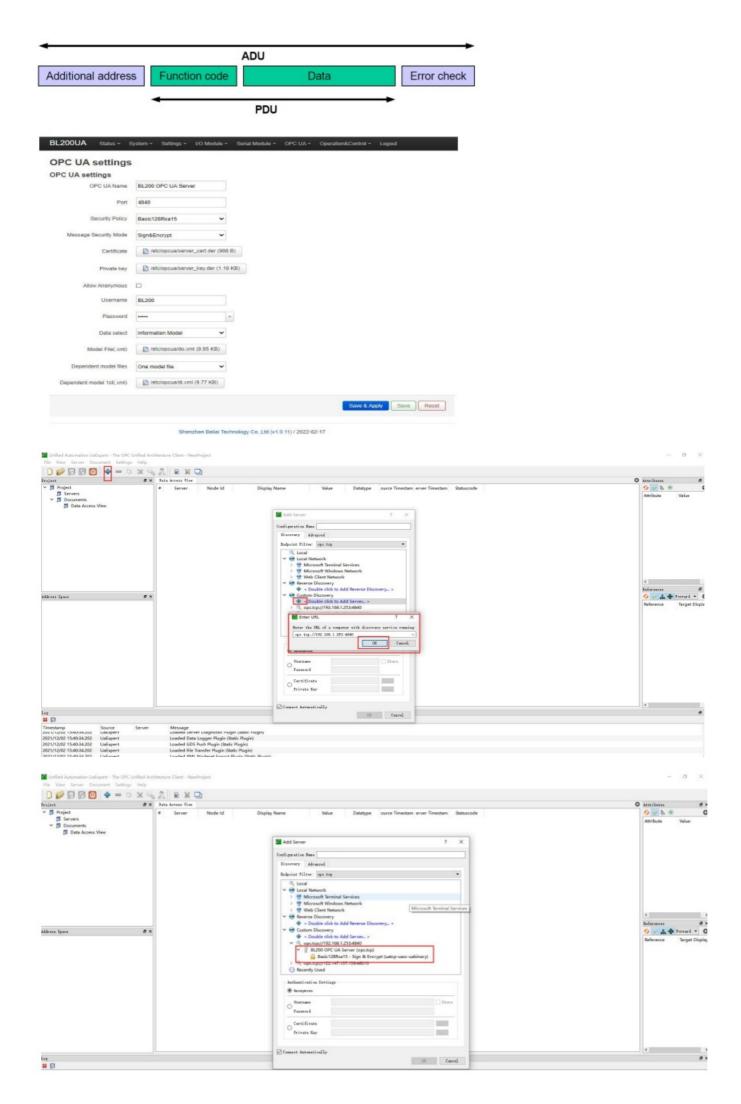
Cloud connection settings

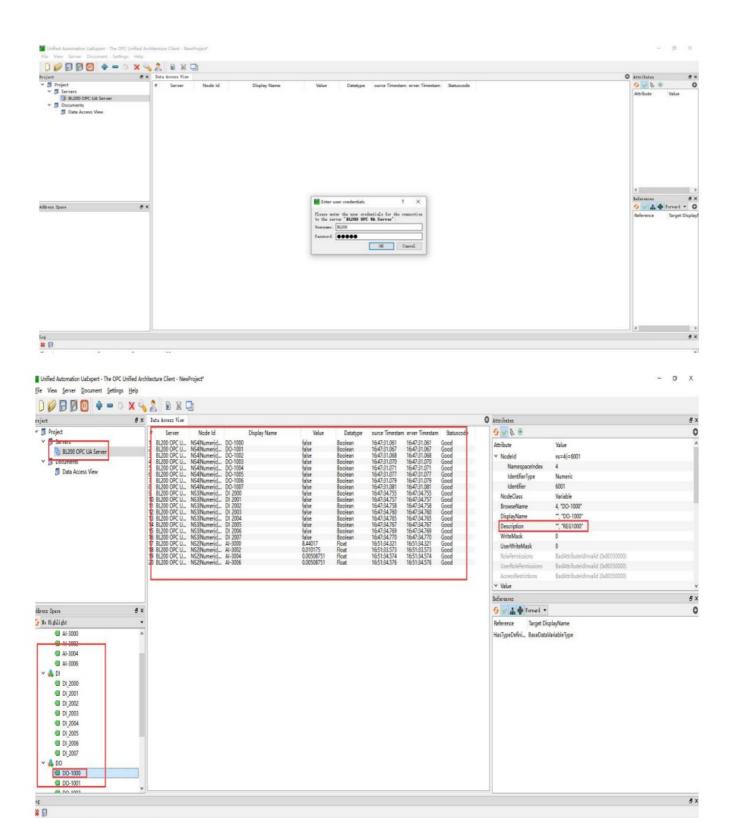












Source

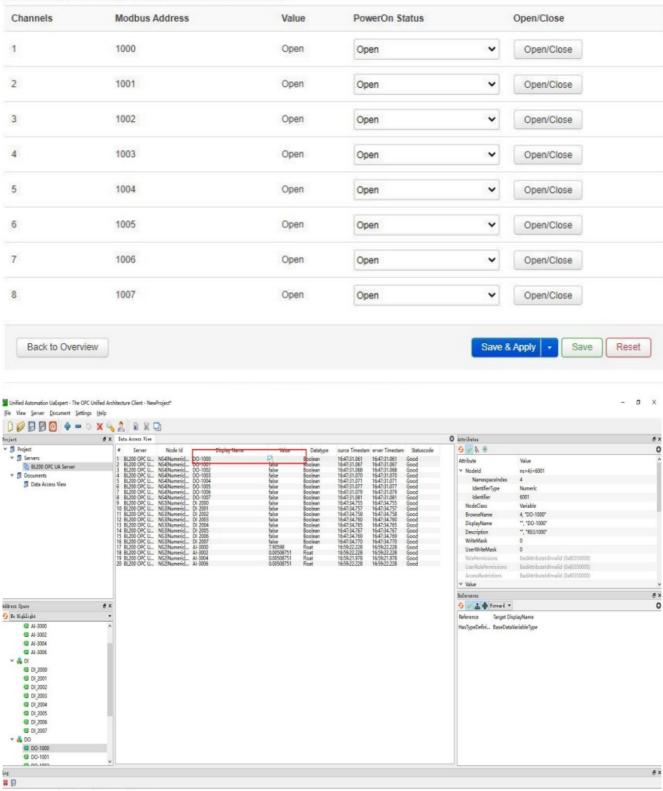
Server

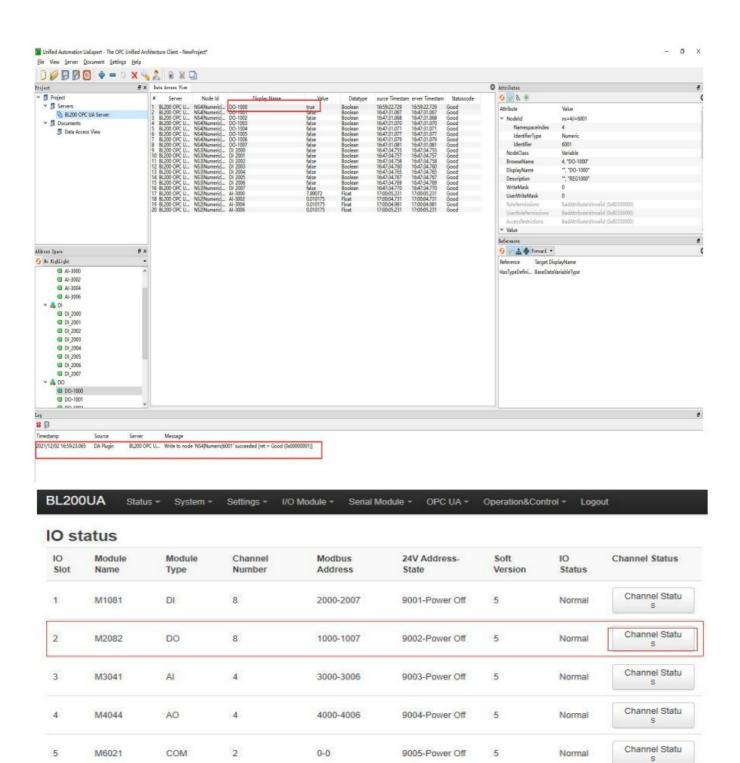
Message

BL200UA Status - System - Settings - I/O Module - Serial Module - OPC UA - Operation&Control - Logout

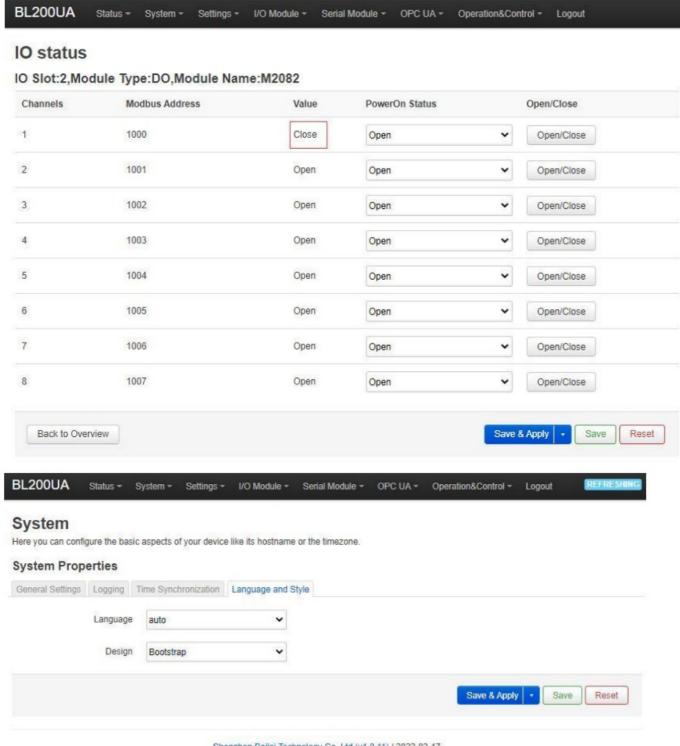
IO status

IO Slot:2, Module Type: DO, Module Name: M2082





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Documents / Resources



<u>BLIIOT BL206 Distributed Distributed Input Output Ethernet</u> [pdf] User Manual BL206 Distributed Distributed Input Output Ethernet, BL206, Distributed Distributed Input Output Ethernet, Distributed Input Output Ethernet, Input Output Ethernet, Output Ethernet, Ethernet

References

- <u>a</u> . Spend less. Smile more.
- O loT
- BLIIOT Focus on IoT IIoT Gateways, 4G Edge Routers, Edge Computers, I/O Modules
- User Manual

Manuals+, Privacy Policy

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