Smart Enterprise Cloud Platform

Introductory Video Create New Product, New Device and New User

https://youtu.be/Vtm9KiQDIZk

I . Manage Products

1.1 Basic Product Information

Enter into Manage Products interface, as shown below:

La Enterprise Overview ■ Manage Users ★ Manage Business ^	Product	Name Please E	Enter A Product Name	Product ID	Please Enter The Product ID	Link Protocol	Please Select The Link Protoco \vee	Enterprise Name		
② Device Map	Add	J Delete								
Manage Devices		Product ID	Product Name	Product Picture	Product Model Number	Link Protocol	Affiliated Enterprises	Number Of Sensors	Creation time	Operate
Manage Finance ~ Manage System ~		90	1233332133	\$	1111232	MQTT	BD ENTERPRISE	1	2025-02-13 11:	Detail Serial Number Management Configuration Protocol Edit Products Duplicate Products Delete Products
		88	H2603-4G-EL-1	6	H2603-4G-EL	MQTT_MODBUS	BD ENTERPRISE	4	2024-12-16 11:	Detail Serial Number Management Configuration Protocol Edit Products Duplicate Products Delete Products

Click Add to add new products

		-	
Lat Enterprise Overview	* Develop Nome		
Manage Users	123332133		
🛔 Manage Business 🗠	* Product Type		
② Device Map	Custom Recommended Value 1123 1123 v Environmental Mor Environmental Mar v		
🛍 Manage Devices	* Product Model Number 1111232		
Manage Products	* Product Picture * Product Description		
🗂 Subscribe 🗸 🗸	Inter 200002, Lens Than		٢
Manage Finance ~	ANB Support jog yng gif		
🖪 Manage System 🗸	* Link Protocol		
	Period Of Reporting		
	Custom Recommended Value 60 (Seconds)		
	Sensor		
	Append Bulk Add		
	Year 123 Gear Pattern 12 Edit Mayong	Delete	
	Cancel Ck		

1. Enter Product Name:

In the first input field, enter the product name.

2. Select Product Type:

In the second input field, select the product type (custom or recommended value). If "Custom" is selected, enter the custom type in the textboxs on the right.

3. Select Product Model Number:

In the third input field, enter the product model.

4. Upload Product Picture:

Click the "+ " Add button in the fourth input field to select or upload a product image.

5. Enter Product Description: In the fifth input field, enter a description of the product.

6. Choose Link Protocol: In the sixth dropdown, select MQTT as the connection protocol.

7. Set Period of Reporting:

In the seventh dropdown, choose the reporting interval (recommended or custom). If "Custom" is selected, enter the delay in seconds in the adjacent textbox. The recommended value is 60 seconds.

1.2 Add Sensor Information

Click Append to add sensors

* Product Model Number						
1111232						
* Product Picture	* Product Description					
Size 200200, Less Than 2MB Support jpg, png, gif	1					
* Link Protocol						
* Period Of Reporting						
Custom Recommended Value	60 (Seconds)					1
Sensor Append Bulk Add						
9 123 Gear Patter	n V 12 Edit Mapping					Delete
Sensor Nam Numerical	Type > 0 > Unit Sort	Edit Mapping	Volume Calculation	n		Delete
Upstream Mapping Ple	ase Enter - Please Enter - Pl	ise Enter	Reset ①			
Downstream Mapping	Please Enter => Please Enter -	Please Enter	Reset ①			
Cancel						

1 Enter Sensor Name

In the Name input field, enter the sensor's name.

2 Select Sensor Type

In the Sensor Type dropdown menu, choose the appropriate sensor type.

3 Set Decimal Places

In the Decimal Places input field, specify the number of decimal places for the sensor values.

4 Choose Unit In the Unit input field, select the unit of measurement for the sensor.

5 Set Sorting Order

In the Sort input field, set the sensor's sorting sequence (each number must be unique).

6 Configure Mapping Relationship The mapping formula is: (x-x1) * ((y2-y1)÷(x2-x1)) + y1x: Actual uploaded value The order for filling in other parameters is: x1-x2 => y1-y2

a. Upstream Mapping (Device \rightarrow Server) In the Upstream Mapping input field, enter the source range values (e.g., x1, x2). After the \rightarrow symbol, input the corresponding target range values (e.g., y1, y2).

b. Downstream Mapping (Server \rightarrow Device)

In the Downstream Mapping input field, input the target range values (e.g., y1, y2). After the \rightarrow symbol, enter the corresponding source range values (e.g., x1, x2).

7 Bulk Add Sensors Click Bulk Add and sequentially fill in the quantity, prefixes, type, and icon.

* Product Model Number			
* Product Picture	* Product Descri	sors ×	
Size 200200, Less Than	1 * Quantity	Add Quantity	
* Link Protocol	* Prefixes	Sensor-	
MQTT	* Icon	+	
Custom Recommended Value 60	(t		
Sensor Append Bulk Add		Cancel	
123 Gear Pattern	V 12 Edit Mapping		
Sensor Nam Numerical Type	V Unit	Sort Edit Mapping Volume Calcul	lation
Upstream Mapping Please E	inter - Please Enter => Please En	ter - Please Enter Reset ①	
Downstream Mapping Please	se Enter - Please Enter -> Please	Enter - Please Enter Reset ()	

1.3. Configure Product Connection Information

Click "Configuration Protocol" for the product, then click "Read Write Command Settings."

	Read Write Command Setting ×										
S/N	Sensor	Slave Address	Function Code	Register Address	Number of Registers	Register Value Type	Byte Sequence	Acquisition Cycle			
1	Level	Slave Address	Function Code V	Register Address	Number of Registers	Register Value Typ 🗸	Byte Sequence V	Acquisition Cycle			
2	Temp	Slave Address	Function Code v	Register Address	Number of Registers	Register Value Typ 🗸	Byte Sequence V	Acquisition Cycle			
3	Battery	Slave Address	Function Code v	Register Address	Number of Registers	Register Value Typ \lor	Byte Sequence v	Acquisition Cycle			
4	Signal	Slave Address	Function Code v	Register Address	Number of Registers	Register Value Typ \vee	Byte Sequence V	Acquisition Cycle			

1. Slave Address

Enter the slave address, ranging from 1 to 255.

2. Function Code

Click the dropdown menu to select the required function code, including Function code 01 (corresponding to write function code 05), Function code 02 (read-only), Function code 03 (corresponding to write 16-bit function code 06 and write 32-bit function code 10), and Function code 04 (read-only)

3. Register Address

Enter the register address according to the protocol, ranging from 1 to 65535.

4. Number of Registers

Enter the number of registers to read.

5. Register Value Type

Select the type of register value.

6. Byte Sequence

Select the byte order. The corresponding bytes from high to low are ABCD; for example, DCBA indicates the data's high and low bits are swapped.

7. Acquisition Cycle (Seconds)

Enter the collection interval in seconds.

S/N	Sensor	Slave Address	Function Code	Register Address	Number of Registers	Register Value Type	Byte Sequence	Acquisition Cyc
1	经度	1	03 Reading and W $ \lor$	311	2	Floating-Point v	Byte Sequence v	Acquisition Cycle
2	定位	Slave Address	03 Reading and W $ \sim$	Register Address	Number of Registers	Raw Data (RAW) 🛛 🗸	Byte Sequence v	Acquisition Cycle
3	纬度	1	03 Reading and W $ \lor$	313	2	Floating-Point ~	Byte Sequence V	Acquisition Cycle
4	温度	1	03 Reading and W $ \lor$	307	2	Floating-Point V	Byte Sequence v	10
5	压力	1	03 Reading and W $ \smallsetminus$	305	2	Floating-Point ~	Byte Sequence V	10
6	液位	1	03 Reading and W $ \smallsetminus$	309	2	Floating-Point V	Byte Sequence v	10
7	无线信号	1	03 Reading and W \vee	300	1	Integer v	Byte Sequence v	Acquisition Cycle
8	由景	1	03 Reading and W V	304	1	Unsigned Integer V	Byte Sequence V	Acquisition Cycle

Cancel OK

2.1 Add New Devices

Go to Manage Devices and click on Add.

Lat. Enterprise Overview	Product Type	1
Manage Users	Select A Product O Enter The Product Serial Number O Custom	
🐞 Manage Business 🗠	Product:	
Device Map	123332133	
🏙 Manage Devices	Pictures Of Device	
Manage Products	Matt V	
🛱 Subscribe 🗸 🗸	Reporting Cycle	۲
📼 Manage Finance 🗸	Custom Recommended Value 60 (Seconds)	
🖪 Manage System 🗸	Sensor Appord Pulli Add	
	Image: Sec: v Image: S	
	+ Sensor Nam Please Select Typ v Please Selec v Sot Est Mapping Delete	
	+ Sensor Nam Please Select Typ v Please Selec v Sort Edit Marping Delete	

1. Select Product

Click Add and the drop-down menu, select the product added in Manage Products.

2. Device Name

The "Device Name" input field will automatically sync the product name, which can be modified.

3. Pictures of Device

Click the "Add" button to upload or choose a device image.

4. Connection Protocol

The "Connection Protocol" section will automatically sync the product's protocol, such as "MQTT."

5. Reporting Cycle

Select "Recommended Value" or "Custom".

If "Custom" is selected, enter the interval in the "Time" input field, such as "60" seconds.

If no data is uploaded to the platform within the set time, the device will change to offline status.

6. Sensor Automatically sync the product's sensor and its parameters.

7. Location

Mark the device installation location on the map.

2.2 Configure Protocol

On the device list page, click "Configuration Protocol" to enter Read Write Command Setting

Lat Enterprise Ove	erview			_						
📕 Manage Us				F	Read Write Comman	d Setting			×	
🕂 Manage Bu	S/N	Sensor	Slave Address	Function Code	Register Address	Number of Registers	Register Value Type	Byte Sequence	Acquisition Cycle	
② Device Manage	1	Level	1	03 Reading and W $ \smallsetminus$	309	2	Floating-Point ~	Byte Sequence v	300	
🖉 Manage	2	Temp	1	03 Reading and W $ \smallsetminus$	307	2	Floating-Point ~	Byte Sequence V	300	
🗄 Subscribe	3	Battery	1	03 Reading and W \vee	304	1	Unsigned Integer \sim	Byte Sequence v	300	
Manage Fir	4	Signal	1	03 Reading and W $ \lor$	300	1	Integer ~	Byte Sequence v	300	
									Cancel	Command
	Li	nk Protocol - Gener	ate Examples					🖬 ID 🛛 🖬 Read Write Ma	irk 🛛 Upload Time 🗌	Build Example
		- 0								сору

 Manage Devices: Device ID: 280 Device Serial Number: 3F52BFZ9SFY4Q7SP Link Protocol: mqtt_modbus Creation Time: 2024-12-20 18:58:56

2. Sensor Configuration:

Sensor ID: Each sensor has a unique identifier. Slave Address: The address of the sensor in the bus. Function Code: Defines the read/write functionality of the sensor. Register Address: The register address value for reading the sensor data. Number of Registers: The number of registers used for reading sensor data. Register Value Type: The data type of the register values for the sensor. Byte Sequence: The byte order of the data. Acquisition Cycle (Seconds): The time interval for data collection.

3. Bulk Edit:

Batch manual modification.

2.3 Device Monitoring:

On the device list page, click the device name to enter the device's "Monitoring Center."

Q Device Group Name Se	:=							
 All Alarm(0) Off > Default Group 	line(5)	H2603-4 2412180	G-EL-1-CS241205 000100000 💭	5-001			M ≜ ⊘	ul nh ⊁) ∧ Collapse
~ HA	0/4	Image	Sensor	ID Code	Update Time	Status	Data	Operate
~ ETR-Project	0/0	-	Water Level	185043	2025-03-12 09:15:02	Connected	0.468 mH20 🛩	Real-time Curve Alarm Record History Query
~ HDH	0/0		Water Temp	185044	2025-03-12 09:15:02	Connected	15.95 ~ 🛩	Real-time Curve Alarm Record History Query
		1	Battery	185045	2025-03-12 09:17:14	Connected	90.00 % 🛩	Real-time Curve Alarm Record History Query
		×	Signal	185046	2025-03-12 09:17:14	Connected	-66.00 db 🛩	Real-time Curve Alarm Record History Query

1. Device Information Device ID: 280 Device Serial Number: 3F52BFZ9SFY4Q7SP Link Protocol: mqtt_modbus Creation Time: 2024-12-20 18:58:56

2. Sensor Status

In the Monitoring Center, you can view the status information of multiple sensors. Each sensor's information includes:

Sensor Name: For example, Water Level, Water Temp, Battery

Sensor ID: For example, 185043, 185044, 185045

Current Value: Displays the current reading of the sensor, for example, 0.468mH2O, 15.95° C, 90.00%

Status Icon: Displays the status icon of the sensor (e.g., temperature icon)

Disconnected Status: Displays the connection status of the sensor, currently shown as "Disconnected"

Last Update Time: Displays the last update time, for example, 2025-03-12 09:15:02

3. View Historical Data

Click the "Historical Query" button on the sensor info card to view the sensor's historical data records.

4. View Real-Time Curve

Click the "Real-Time Curve" button on the sensor info card to view the sensor's real-time curve data.

5. View Alarm Records

Click the "Alarm Record" button on the sensor info card to view the sensor's alarm record data.

2.4 Device Allocation

On the device list page, click "Allocate Users."

Lat Enterprise Overview	Device Name Please Enter Device Name Device Serial	Allocate Users	Inquire	Reset		
Manage Business ~	All Connected Unconnected Deleted Disab	Belect				Add
② Device Map		profielektrame@gmail.com				
🛍 Manage Devices	Device Name Affiliated Enterprises	SRWDMIS	Device Protocol	User Name	Creation Time	Operate
Manage Products		24313438@qq.com gmmymgb				Device Detail Edit Device
🛱 Subscribe 🗸 🗸	Temp. sensor BD ENTERPRISE 1	kpn2025 allherbaflora@gmail.com	MQTT_MODBUS	138759280	2024-07-12 10:3	Detete Device Duplicate Device Configuration Protocol
📾 Manage Finance 🖂		17775789735				Allocate Users Deploy Enterprise
🕒 Manage System \vee		1221 Total 1 10/page V (1)	Go to 1			

Enter Manage Device and click "Allocate"

On the interface, find the user account as shown in the image.

Use the search bar or browse the list to find the specific user account to which the device should be assigned.

Once found, click Save to complete the allocation.

III. Manage Users

3.1. Create New User

Enter the Manage Users page and click Add TO create new users.

Lat. Enterprise Overview		_	_			-			
Manage Users	Username Please Input		New u	iser >	Enterpris	e Name Please inp	u s	earch Reset	
🕱 Manage Business ~	Add Bulk Add D		* Username						
🛱 Subscribe 🗸	Account	Username	* Nickname Please Fill In		ber Of Devi ce	Role	Account Balance	Email Address	Operate
Manage System ~	profièlektrarne@gmail.c	profielektrame@gmail.c	Password Mobile number Please Fill In	@ Email Address Please Fill In	0	tenant_member	0.00	profielektrarne	Assign Role Balance Allocation SMS Allocation User Editing User Deletion
		SRWDMIS	Contact Address Please Fill In		1	tenant_member	0.00		Assign Role Balance Allocation SMS Allocation User Editing User Deletion
	24313438@qq.com	24313438@qq.com	Ok Cancel BD ENTERPRISE	0	0	tenant_member	0.00	24313438@qq	Assign Role Balance Allocation SMS Allocation User Editing

In the "Username" field, enter the user's login name.

In the "Nickname" field, enter the user's nickname.

In the "Password" field, enter the user's password.

In the "Mobile number" field, enter the user's phone number.

In the "Email Address" field, enter the user's email address.

In the "Contact Address" field, enter the contact address.

3.2. Allocate Device

On Manage Devices page, click "Allocate User". Once the allocation is complete, log into this account to view the allocated devices.

Lat Enterprise Overview	Device Name Please Enter Device Name Device Serial * Allocate Users ×	Inquire	Reset		
ℜ Manage Business ∧ Over the second seco	All Connected Deleted Disab				Add
🛍 Manage Devices	Device Name Affiliated Enterprises SRWDMIS	vevice Protocol	User Name	Creation Time	Operate
Manage Products Manage Finance Manage Finance Manage System	241143880qa.com gmmymdb kqn2205 19775789735 1221	AQIT_MODBUS	137629934	2024-12-20 18:5	Device Detail Edit Device Diete Device Duplicate Device Configuration Protocol Allocate Users Deptoy Enlerprise
	HPR2501HR02000 BD ENTERPRISE 153762983416 QOPMSK9915 2278 Offline N	IQTT_MODBUS	137629934	2024-12-16 11:4	Device Detail Edit Device Device Device Duplicate Device Configuration Protocol Allocate Users Deploy Enterprise

3.3. Manage Users

Click "Manage" to enter the User Management section.



1. Basic Information

It displays the current user's username. Account ID: Displays the current user's unique identifier. Client ID: Displays the current user's client identifier. Secret: Displays the current user's access key. Creation Time: Displays the current user's creation time.

Security Settings
 You can modify the login account.
 You can modify the login password.
 You can modify the login mobile phone number.
 You can modify the email address.

IV. Manage Roles

On the main interface, find and click the "Manage Roles" option to enter the role management page.

Lat Enterprise Overview									
Manage Users	Character Name Pleas	e Enter A Role Name	Role Identific	Please Enter The I	Role Identity Sta	tus Please Select Status		Creation Time 🔄 Start Date	- End Date
ℜ Manage Business ∨	Search Reset								
🗄 Subscribe 🗸	Add								
📼 Manage Finance 🗸	Role Number	Character Name	Types Of Role	Role Identification	Display Position	Remark	Status	Creation Time	Operate
Manage System ~	100639600505903	122212		tan ant mambar 21	21		0	2020 02 02 10/24/12	Edit Man Developing Data
A Manage Alarms	109030009595005	123312	Customize	tenanc_members i	51		Open	2025-05-05 10.24.15	Edit Menu Permission Delete
Web Applications	185451181047818	Super Admin	Customize	tenant_admin1	1		Open	2024-11-07 21:10:45	Edit Menu Permission Delete
Account Setting	179168353568748	测试轨迹	Customize	tenant_member_3	1		Open	2024-05-18 12:13:37	Edit Menu Permission Delete
Manage Materials	179058557006758	测试	Customize	tenant_member_2	1		Open	2024-05-15 11:30:42	Edit Menu Permission Delete
🖶 Manage Data Cards									
A Manage Account	179032086901014	observer	Customize	tenant_member_1	1		Open	2024-05-14 17:58:52	Edit Menu Permission Delete
Operation Log	177830654597041	历史轨迹	Customize	tenant_member_h	1		Open	2024-04-11 14:18:15	Edit Menu Permission Delete
Manage Roles	174461234056800	财务	Customize	tenant_admin_fina	0		Open	2024-01-09 14:49:30	Edit Menu Permission Detete
	172717351056375	租户用户	Built	tenant_member	0	系统自动生成	Open	2023-11-22 11:53:49	Edit Menu Permission

On Manage Roles page, you can view all the created roles. The list includes the following information:

Role Number: Unique identifier.

Character Name: Custom name.

Role Identification: Divided into user-side role and enterprise-side management roles. Status: Indicates whether the role is enabled.

Creation Time: The date and time the role was created.

Operate: Includes edit, delete, and menu permission operation buttons.

4.1. Add New Roles

Click the "Add" button on the left side of the page to enter the role creation page. Fill in the relevant information and then click the "OK" button to create a new role.

Lat Enterprise Overview	Character Name Pleas		Role Identification Presse Enter The Role Ioentity Status Presse Select Status ~	Creation Time 🔄 Start Date	
🕸 Manage Business ~	Search Reset				
🛱 Subscribe 🗸 🗸	Add		Add ×		
🖬 Manage Finance 🗸	Role Number	Character Name	* Character Name Please Enter A Role Name	Creation Time	Operate
Manage System ~	189638609595803		Role identification tenant_memb Please Enter The Role identity Display Position Please Enter The Display Order	2025-03-03 10:24:13	Edit Menu Permission Delete
	185451181047818	Super Admin	* Status Open ~	2024-11-07 21:10:45	Edit Menu Permission Delete
	179168353568748	测试机迹	Remark Please Enter Comments	2024-05-18 12:13:37	Edit Menu Permission Delete
	179058557006758	Mid	Салсеі) ОК	2024-05-15 11:30:42	Edit Menu Permission Delete
	179032086901014	observer		2024-05-14 17:58:52	Edit Menu Permission Delete
	177830654597041	历史轨迹	Customize tenant_member_h 1 Open	2024-04-11 14:18:15	Edit Menu Permission Delete

Character Name: Custom name.

Role Identification: Determine whether it is an enterprise-side role or a user-side role. Display Order: The order in which the role appears in the list.

Status: Enable or disable the role.

Remark: Optional.

4.2. Permission Settings

Click the "Menu Permission" button to enter the detailed permissions page, where you can modify the role's permissions.

🔟 Enterprise Overview									
Manage Users	Character Name Please Enter A Role Name		Menu Permission × Character Name [123312]			×	Creation Time 🗄 Start Date		
🟦 Manage Business 🗸									
🖹 Subscribe 🗸	Add		Role Identification	tenant_member3121			_		
📾 Manage Finance 🗸	Role Number	Character Name	Menu Permission	All Select/All Deselect:	All Unfolded/Fold	ed: Unfold	î	Creation Time	Operate
Manage System ~	189638609595803	123312		Monitoring Center Ann Home Distur	Darmission			2025-03-03 10:24:13	Edit Menu Permission Delete
Manage Alarms Web Applications	185451181047818	Super Admin		Real-time Curve Fo	or Buttons			2024-11-07 21:10:45	Edit Menu Permission Detete
Account Setting	179168353568748	测试轨迹		Button History Qu Push-button Com Push-button Switc	ery mand h Type Sensor			2024-05-18 12:13:37	Edit Menu Permission Delete
Manage Materials	179058557006758	测试		Button Device Gro Button To Add Dev Button Rename	up Management rice Group			2024-05-15 11:30:42	Edit Menu Permission Detete
Manage Account	179032086901014	observer		Push To Disband Button Up				2024-05-14 17:58:52	Edit Menu Permission Delete
Operation Log	177830654597041	历史轨迹				Cancel	ж	2024-04-11 14:18:15	Edit Menu Permission Delete
Manage Roles	174461234056800	财务	COSTANIES	Religing Contrast_ Intera-			open	2024-01-09 14:49:30	Edit Menu Permission Delete
	172717351056375	租户用户		tenant_member	0	系统自动生成	Open	2023-11-22 11:53:49	Edit Menu Permission

In the left menu, select the required permissions, which correspond to all the features available on the front-end user side.

The right-side list will display all the selected permissions.

Once the selections are complete, click the "OK" button at the bottom right to save the settings.

After saving, assign the role to the user, and the new permission settings will take effect.

4.3. Assign Roles

In Manage Users page, click the "Assign Role" button. Select the role from the dropdown menu, and multiple roles can be selected.

Lat. Enterprise Overview			
Manage Users	Osername Please input	Contact information Prease input Email Address Prease input Enterprise Name	Rease input
🙀 Manage Business ~	Add Bulk Add Drake		
🗄 Subscribe 🗸 🗸	Account	Username Affiliated Enterpr ise Contact Number Number Of 5MS Ce Ro	ole Account Balance Email Address Operate
 Manage Finance ~ Manage System ~ 	profielektrame@gmail.c., pro	Assign Role × Voer profilektrane@gmail.com Name profilektrane@gmail.com	Assign Role Balance Allocation User Cathol User Cathol User Cathol User Cathol
		Role observer X v	Assign Role Balance Allocation SMS Aflocation User Edition User Station
	24313438@qq.com	1313438@qq.com BD.ENTERPRISE 0 0 tenant_J	Assign Role Balance Alectador wember 0.00 243134389 qqUser Sol Sol Sol Sol User Editing User Debon
	gmmymgb	gmmy-mgb BD ENTERPRISE 18925832145 0 1 tenant_	Assign Role Balance Allocation SMS Allocation