How to Connect Serial to WiFi Converter to PUSR Cloud?

This manual applies to the following products:

USR-W610 USR-W630 USR-DR404 USR-WIFI232-A2/B2

- 1. PUSR Cloud address: <u>https://mp.usriot.com</u>
- 2. Please register an account first, and then log in.



3. After logging in, click to add a gateway.

☆	USR Cloud Cons www.usr.cn	sole	IOT DM						🛱 service support 🛛 user rights	简体中	× 🔘	2220898	1066@qq.c
8	Quick start	Gatew	ay management 🚿 Gateway lis	1									
8	Screen	Gatev	Tota Tota	Il Gateways • Online gateway	• Offline gateway			O More :	gateway features Go to DM platform	td B	atch Add	1	Delete
0	Scene management		32	0	32								
65	Device 🗸	Pier		e select gatewar All models	Pease Choose tags	Please enter SN or g Query							
Ø	Gateway		Gateway status	Gateway name	SN	Gateway model	Number of associat ed devices	Belonging organize	Tag	Operat	tion		
	Gateway list Third party	0	Offline	USR-CAT1	00047955000000043595	Unknown type	0	My project1		View	Edit	Delete	More
3	gateway management		Waiting for the initial la	gateway	00047955000000043594	Unknown type	4	MyGroup		View	Edit	Delete	More
品	Configuration management		Waiting for the initial la	Unnamed_Gateway name_99	00047955000000043593	Unknown type	0	根组织		View	Edit	Delete	More
ы	Data center 🛛 👻		Offine	Vcom2	0004795500000000024	Unknown type	0	REER		View	Edit	Delete	More
ä	Alarm linkage 👋		e Offine	W610 T	0004795500000000023	Unknown type	0	根组织		View	Edit	Delete	More
8	Value-Added services		• Offine	W610	0004795500000000022	Unknown type	1	根组织		View	Edit	Delete	More
Eh	Exclusive configuration		e Offine	N520	0004795500000000021	Unknown type	1	根组织		View	Edit	Delete	More
88	Extend ~		Offine	T2	00047955000000000020	Unknown type	1	根组织		View	Edit	Delete	More
			e Offine	USR-TCP232-306	0004795500000000019	Unknown type	0	根组织		View	Edit	Delete	More
			Waiting for the initial la	VCOM3	0004795500000000018	Unknown type	0	根组织		View	Edit	Delete	More
								Total 32	10/page > Pre 1 2 3	4	Next Go	10 1	

4. Click "SN does not support, click here".

*	USR Cloud www.us	Console IoT DM	
\odot	Quick start	Gateway management	> Gateway list > Add Gateway
8	Screen management	Add Gateway	
\odot	Scene management	×	
69	Device management	* Gateway name	* USR-W610
2	Gateway management	* Belonging organize	: My project1 \sim
	Gateway list		
٨	Third party gateway management	* SN 💿	Please Input SN SN does not support, click here
品	Configuration management	* MAC / IME	Please Input MAC/IMEI/NID number
ш	Data center	 Positioning method 	J O Manual positioning Automatic positioning
畄	Alarm linkage	✓ Gateway address	i 美莲广场, Jinan Shi, Shandong 250101, China Map
8	Value-Added services	Y Tag	Add taos
Ēh	Exclusive configuration	~	
88	Extend	Network monitoring	
		USR transparency	
			Save

5. The cloud will create the SN and password automatically, click Save.

*'	USR Cloud www.us		
83	Quick start	Gateway management > Gateway list > Add Gateway	
8	Screen management	Add Gateway	
Ŷ	Scene management		
69	Device management	* Gateway name USR-W610	
	Gateway management	* Belonging organize My project1 ~	
	Gateway list		
٨	Third party gateway management	Gateway ID. Automatic generation in system 🗹 edit ID. Return input SN	
瓳	Configuration management	Communication Default Communication Password 🗹 Edit Password Password	
Ш	Data center	Positioning method Manual positioning Automatic positioning	
畄	Alarm linkage		
⊗	Value-Added services	Gateway address 美蓮广场, Jinan Shi, Shandong 250101, China Map	
₽	Exclusive configuration	Tag 🕖 Add tags	
88	Extend	Network I The gateway does not have network monitoring function monitoring	
		USR transparency 💿 💽	
		Save	

6. Copy the created SN and password. Click Close, then the gateway(W610) is added successfully.

*	USR Cloud	I Con: sr.cn	SOLE INT DM			🛱 service support 🕞 user rights 🔞 節話
56			Gateway management	> Gateway list > Add Gateway		
8	Screen management		Add Gateway			
•	Scene management				Tips ×	
69	Device management		* Gateway name	USR-W610	Gateway added succeed	
M	Gateway management		* Belonging organize	My project1	Your gateway SN is: 00047955000000043596; The communication password is: 6fD27yv1; (In the future, you can also view the communication password of the gateway on the "View" pag	
			Gateway ID	Automatic generation in system 🗹 edit ID 🛛 Retu	e, or view and modify the communication password of the gateway through "Gateway Managem ent Edit Gateway")	
3	gateway management				Operating procedures: 1. Download the Corresponding gateway software; 2. Confine and the corresponding to the software;	
品	Configuration management		Communication Password	Default Communication Password 🛛 Edit Passwor	 Compute the gatewary with the oxin number and cated by the cloud planotin and the communication password in the software; The gatewary has been configured through the configuration software to connect to serv 	
ш			Positioning method	Manual positioning Automatic positionin	er. For details, please click to see how to configure the cloud	
畄					Close	
\otimes	Value-Added services		Gateway address	Reg 7kg, Jinan Shi, Shandong 250101, China		
Ēh	Exclusive configuration		Tag 🔘	Add tags		
			Network 🔘 monitoring			
			USR transparency			
				S	we and the second s	

7. In this manual, we use a USR-W610 device to test.

If you use the W610 device for the first time, it defaults to AP mode, you can connect PC to the WIFI of it. Then fill in 10.10.100.254 in the browser to access its webpage. Username and password are default to "admin".

C 🛆 不安全 10.10.100.254/home.html						\$	Ð	0 :
📮 YouTube 🐹 地图 📓 Windows 安装 Op 🚺 Will My Phone W 🕸 公共免疫MQT	TTB2							□ 所有书签
Î				中文	English			
Quick t	Configure (Quick Configure						
⇒ AP inte	erface Setting 1F	WI-FI Setting <u>(Modify)</u> Mode						
Applica	ation Setting Wire	le less configuration	AP Mode 🗸					
Ethern	net Setting BSS	work Name(SSID) ID	USR-W610_2DC0 + 9C:A5:25:B1:2D:C0	iidden 🗆	-			
⇒ HTTPI	D Client Mode Sect	arity Mode	Disable 🗸			USR-W610_2DC0 已连接,开放		
⇒ MQTT	Setting	E	Apply Cancel			<u>2511</u>		
Device.	Management 2F	Ethernet Ports Setting Modify			_			
	3F	Uart Setting [Modify]			_	%		
	4F	Network Setting [Modify]			_	₩. C		
	5F	7 MQTT Setting (Modify)			_	₩. · • • • • • • • • • • • • • • • • • •		
	61	Device Management			_	% and		
	Rest	tart Module	Restart			A		

8. Change the WIFI mode of W610 to STA. Click Apply.

Duick Configure	Working Mode Configuration
Mode Selection AP Interface Setting	You may configure the Uart-WIFI module wifi mode and data transfer mode.
STA Interface Setting	O AP Mode: Access Point
Application Setting	Station Mode
Ethernet Setting	Data Transfer Mode Apply Cancel
HTTPD Client Mode	
MQTT Setting	
Device Management	

9. Do not click Restart, directly skip this step and continue to configure. We only need to restart the device after configured all the parameters.



10. In "STA Interface Settings", click "Search" to find the WIFI network you need to connect. Click "Apply".

	BSSID 98:97:cc:45:88:3d b6:97:cc:45:88:3d b8:a1:4a:88:10:39	RSSI 100%	Channel	Encryption	
1097 3ID 3R-AP 1108Net-TUhu 2-LINK_12702 5450204C494E485FB9F9C4B3C8	BSSID 98.97:cc:45:88:3d b6:97:cc:45:88:3d b8:a1:4a:88:10:39	RSSI 100%	Channel	Encryption	
SID SR-AP IIIIANELTUHU 2-LINK_12702 54502D4C494E4B5FB9F9C4B3C83	BSSID 98:97:cc:45:88:3d b6:97:cc:45:88:3d b8:a1:4a:88:10:39	RSSI 100%	Channel	Encryption	4
SR-AP IinaNet-TUhu 2-LINK_12702 54502D4C494E4B5FB9F9C4B3C8/	98:97:cc:45:88:3d b6:97:cc:45:88:3d b8:a1:4a:88:10:39	100%	2		Authentica
ninaNet-TUhu 2-LINK_12702 54502D4C494E4B5FB9F9C4B3C8	b6:97:cc:45:88:3d b8:a1:4a:88:10:39	10096	1	NONE	OPEN
hinaNet-TUhu ?-LINK_I2702 54502D4C494E4B5FB9F9C4B3C8/	b8:a1:4a:88:10:39	100%	1	AES	WPA2PSK
-LINK_12702 54502D4C494E4B5FB9F9C4B3C8/		99%	3	AES	WPA2PSK
34302040484646966878046306	ec:26:ca:9a:06:b0	100%	0	AES	WPA2PSK
E8874EE704B1364D	d4 ad 20 9a 2a f1	100%	0	AES	WPA2PSK
B06sFE8Dxxx	d4:ad:20:3b:fe:90	96%	11	AES	WPA2PSK
SR-SALES	04:19:18:01:20:07	100%	11	AES	WPA2PSK
	06:f9:f8:7f:20:07	100%	11	AES	WPA2PSK
Y	d8:b0:4c:cc:22:bc	100%	11	AES	WPA2PSK
SR-Market	ec:60:73:65:42:69	100%	11	AES	WPA2PSK
	ee:60:73:75:42:69	100%	11	AES	WPA2PSK
veRoom	3e:6a:48:18:93:18	100%	11	AES	WPA2PSK
SR-W660-60A5	d4:ad:20:9b:60:a7	100%	11	NONE	OPEN
SR-W630_A9DC	9c:a5:25:98:a9:dc	83%	11	NONE	OPEN
SR-AP	14:60.21:09.90.15	73%	1	NONE	OPEN
itan i	29:d1:27:df:b0:06	7.3%	0	AES	WPA2PSK
SR-1303	78:60:5b ff 19:10	68%	11	AES	WPA2PSK
SR-G815R-f552	d4:ad:20:9a:f5:52	29%	11	AES	WPA2PSK
SID	BSSID	Siganl(%)%	0	AES	WPA2PSK
	AP 1 1303 G815R-1552 Refresh	Wis3U, ADC VE3D, 240 C AP K46 A2 C49 6b L1 12 6d 214 9 9c 15 1 1303 78 60 5c ft 19:10 GB15R-1552 44 ad 20 9s 15 52 BSSID BSSID	Whold, ABUC gir Cas_CS 88 arX of (46 d2 d19 gb b1) [37% AP (46 d2 d19 gb b1) [73% 12.6d 21 d9 gb b1) [73% [33] 1303 [78 60 5b ff 10 10] [68% GB15R-1552 [24% [29% BSSID Siganl(%)% Refresh [33]	Windly_ADUC Set & 25 % 84 x0 to (85 % 11 AP 14 db 22 rd 99 bit 5 73% 1 12 c6 21 d9 9bit 5 73% 1 1 1303 78 db 12 rb 010 d0 70% 9 1 1303 78 db 05 rft 19 to 16 85% 11 6815R-1552 44 at 20 98 r155 2 29% 11 6815R-1552 85SID Sigan(%)% 0 Refresh 5500 5100 5100 5100	Wrs01_ASUC 96 88 25 98 40 dt 85% 11 NONE AP 16 dc 21 d9 9b 15 73% 1 NONE 12 6 dc 21 d9 9b 15 73% 1 AES 1303 28 d1 127 d1b0 06 70% 9 AES 1303 78 d6 56 mt 101 68% 11 AES 6615R-1552 44 a6 29 9mt 55 22 24% 11 AES BSSID Sigan(%)% 0 AES

11. Fill in the password and security of the WIFI network.

Quick Configure	STA Interface S	setting
Mode Selection	You could configure STA int	erface parameters and turn on/off AP+STA here.
-v	STA Interface Parameters	
STA Interface Setting	AP's SSID	USR-Market Search
Application Setting	MAC Address (Optional)	
Ethomat Satting	Security Mode	WPA2PSK V
Eulernet Setung	Encryption Type	AES V
<u>HTTPD Client Mode</u>	Pass Phrase	
MQTT Setting		Apply Cancel
Device Management	AP+STA settings	
	AP+STA	off 🗸
		Apply Cancel
	WAN Connect	ion Type: DHCP(Auto config) 🗸
	DHCP Mode	
	Hostname(Optional)	USR-W610_2DC0
		Apply Cancel

12. In "Application Setting", configure the serial parameters of W610 to be consistent with your serial Modbus device.

Quick Configure	win-oan setting	
Mode Selection	You could configure the Uart param	eters and network parameters of the wifi-uart application.
AP Interface Setting	Hart Catting	
STA Interface Setting	Baudrate	9600 🗸
Application Setting	Data Bits	8 •
	Parity	None V
<u>Ethernet Setting</u>	Stop	1 •
HTTPD Client Mode	Flow control	Disable
MOTT Setting	485 mode	Enable V
<u>MQTI betting</u>	Baudrate adaptive (RFC2117)	Enable V
Device Management		Apply Cancel
	UART AutoFrame Setting	
	UART AutoFrame	Disable •

13. Fill in the SN and password created in USR Cloud, you can also click the Gateway name to find it.

Gateway management > Gateway list > Gateway Details			中文 English
Gateway Details Network debugging		Baudrate adaptive (RFC2117)	Enable Apply Cancel
Gateway infomation		UART AutoFrame Setting	
USR-W610 00047955000000043596		UART AutoFrame	Disable Apply Cancel
Belonging organize: My project 1 Communication Password <u>80027yr1</u> G Gateway address ﷺ "Sandong 250101, China Tonie	Gateway model: Unknown type MAC: IMEI:	Registered Package Setting Registered Package Type Device ID线签CLOUD线編 Cloud Password线差CLOUD线編	[CLOUD] [0004795500000043596] [6ft027yv1]
ngg.	Firmware Version:	Upload Manner: first执踪Module send 第Send registration packet every time	l registration packet when connection established班滑ever;強 when module send data Apply Cancel
Gateway traffic monitoring		Custom heartbeat packet settings Custom Heartbeat	loff •
© 2024-07-30 14:19:38 To 2024-07-31 14:19:38 Query			Apply Cancel
Bytes/kb	-O- Main gatı	Socket Distribution settings Socket Distribution	Coff V Apply Cancel
		Modbus Polling settings Modbus Polling	

14. In "Network A Settings", change the mode to TCP Client, the server address is: tcp.mp.usriot.com, port is 15000.

Quick Configure	Modbus Polling setungs	
	Modbus Polling	off 🗸
Mode Selection		Apply Cancel
AP Interface Setting		
A come a sector of sector	Hupdolient Mode settings	(lane at)
STA Interface Setting	Aupachent Mode	long V
Application Setting		Apply Cancel
Fthernet Setting	485 Switch Settings	
<u>Eulernet Setting</u>	485 selector switch	on 🗸
HTTPD Client Mode	Switching time interval(1~350)	(us) 3
MOTT Setting		
		Apply
Device Management	Network A Settina	
Device Management	Network A Setting	Client V
Device Management	Network A Settina Mode Protocol	Client V TCP V
Device Management	Network A Settina Mode Protocol Port	Client TCP 15000
Device Management	Network A Settina Mode Protocol Port Server Address	Client TCP 15000 tcp.mp.usriot.com
Device Management	Network A Settina Mode Protocol Port Server Address MAX TCP Num. (1~24)	Client TCP 15000 tcp.mp.usriot.com 24
Device Management	Network A Settina Mode Protocol Port Server Address MAX TCP Num. (1~24) TCP Time out (MAX 600 s)	Client TCP 15000 [tcp.mp.usriot.com] 24 0
Device Management	Network A Settina Mode Protocol Port Server Address MAX TCP Num. (1~24) TCP Time out (MAX 600 s) SSL Enable	Client ▼ TCP ▼ 15000 tcp.mp.usriot.com 24 0 OFF ▼
Device Management	Network A Settina Mode Protocol Port Server Address MAX TCP Num. (1~24) TCP Time out (MAX 600 s) SSL Enable Socket B Setting	Client TCP • 15000 tcp.mp.usriot.com 24 0 OFF •
Device Management	Network A Settina Mode Protocol Port Server Address MAX TCP Num. (1~24) TCP Time out (MAX 600 s) SSL Enable Socket B Setting Open the SocketB function	Client ▼ TCP ▼ 15000 tcp.mp.usriot.com 24 0 OFF ▼
Device Management	Network A SettingModeProtocolPortServer AddressMAX TCP Num. (1~24)TCP Time out (MAX 600 s)SSL EnableSocket B SettingOpen the SocketB functionProtocol	Client ▼ TCP ▼ 15000 tcp.mp.usriot.com 24 0 OFF ▼
Device Management	Network A SettingModeProtocolPortServer AddressMAX TCP Num. (1~24)TCP Time out (MAX 600 s)SSL EnableSocket B SettingOpen the SocketB functionProtocolPort	Client ▼ TCP ▼ 15000 tcp.mp.usriot.com 24 0 OFF ▼ on ▼ TCP ▼ 18899
Device Management	Network A SettingModeProtocolPortServer AddressMAX TCP Num. (1~24)TCP Time out (MAX 600 s)SSL EnableSocket B SettingOpen the SocketB functionProtocolPortServer Address	Client ▼ TCP ▼ 15000 tcp.mp.usriot.com 24 0 OFF ▼ on ▼ TCP ▼ 18899 10.10.100

15. After configuring all the parameters of W610, restart to take effect.

Quick Configure	Device Managem	ient
Mode Selection AP Interface Setting STA Interface Setting	8.03T.14 TYPE:28KN You may configure administrat	or account and password, load default setting or update firmware.
Application Setting	Administrator Settings	
Trib a statution	Account	admin
Ethernet Setting	Password	admin
HTTPD Client Mode		Apply Cancel
MQTT Setting	Restart Module	
<u>Device Management</u>	Restart Module	Restart
	Load Factory Defaults	
	Load Default Button	Load Default
	Timeout Reboot Setting	
	Timeout Function	off 🗸
		Apply Cancel

16. If you need to login to the webpage of W610 in STA mode, can find its new address got from the WIFI network in the router, or you can query using below serial AT commands.

😫 ATSetup V	.0.4							1	- 🗆 🗙
中文 Abou	t								
Com N	et		AT+H	AT+RELD	AT+VER	AT+Z	Data	normal	07707
			Common op:	rate			Send	HOIMAI	error
			4 AT+WANN			Send	+++a+ok		
Com po:	rt COM3 ~	·				Send			
Bandra	te 9600 ~	1	-			Send	AT+WANN		
1 Parity	NONE ~					Send	AT+WANN		
Databi	8 bit v	3 1114				Send	+ok=DHCP,192.1	168.3 <mark>1</mark> .15,255.255.2	55.0,192.168.31.:
Databi	1 1 2 4	5 AT+ENTM				Send			
Stopbi			-			Send	at+entm		
						Send	AT+ENTM		
2	Close					Send	+ok		
						Send			
CommonBut	ton					Send			
			-			Send			
			-			Cond			
			-			Send			
						Jana			
			Interval	5000	ns 🗌	Select all			
Ad	d common butte	on Clear		Loop s	end Ba	itch send		Clear data	

17. After W610 restarts, it will be online in USR Cloud.

۴	JSR Cloud Con www.usr.cn	sole	IOT DM					e	🛛 service support 🛛 👳	lusernights 😗 開始中文	222	1898066@qq.com
\odot	Quick start	Gatewa	y management > Gateway list							Status: Online		×
Ø	Screen management	Gatew	Total	Gateways • Online gateway	Offline gateway			Ø More gatewa	ry features Go to DM pt	Gateway name: U	ISR-W610	042500
Θ	Scene v management	_	33	0	33	- Ourse			L	Galeway SN. 000	4755500000	945556
69	Device management	Piear		All models		ase enter SN or g Query						
⋳	Gateway ^		Gateway status	Gateway name	SN	Gateway model	Number of associat ed devices	Belonging organize	Tag	Operati	on	
	Gateway list	a a	Online	USR-W610	0004795500000043596	Unknown type	0	My project1		View	Edit Delet	e More
٨	gateway management	0	• Offine	USR-CAT1	00047955000000043595	Unknown type	0	My project1		View	Edit Delet	e More
ቆ	Configuration management		Waiting for the initial la	geleway	00047955000000043594	Unknown type	i.	MyGroup		View	Edit Delet	a More
ш	Data center 👋		Waiting for the initial la	Unnamed_Gateway name_99	0004795500000043593	Unknown type	0	橋追訳		View	Edit Delet	5 More
ä	Alarm linkage 🗠		• Offine	Vcom2	00047955000000000024	Unknown type	0	博道派		View	Edit Delet	e More
8	Value-Added services		Offline	W610 T	0004795500000000023	Unknown type	0	19iBiR		View	Edit Delet	 More

18. In "Device Template", click to add the template.

煮	USR Cloud Cons www.usr.cn	sole	IoT DM					🖾 service support 🕞	user rights 👩 📾	*中文 <u> </u> 2220891	9066@qq.cor
s	Quick start	Device	management > Device Template								
▣	Screen v management	Device	e Template						→ [Add Batch I	Delete
0	Scene 🗸	Plea	se select orga 🗠 Please input temp	Query							
69	Device ^		Template Name	Belonging Organize	Total number of variables	Number of associated devices	Acquisition methods	Update time	Operation		
	Device List Device Template	-	USR-TEST	My project1	2	0	The cloud poiling	2024-07-26 17:41:55	View Edit	Configuration Design	1 More
Ø	Gateway management		111	My project1	6	0	edge computing	2024-07-26 11:48:20	View Edit	Configuration Design	1 More
٨	Third party gateway		Test	My project1	0	0	The cloud polling	2024-07-16 14:35:14	View Edit	Configuration Design	1 More
唜	management Configuration		s3eec 16:13:06	MyGroup	6	1	edge computing	2024-06-24 16:13:26	View Edit	Configuration Design	1 More
ш	Data center		Unnamed-2024-06-24 16:12:52	MyGroup	6	0	edge computing	2024-06-24 16:13:05	View Edit	Configuration Design	1 More
н	Alarm linkage 💙		S3EEC 16:06:26	MyGroup	6	0	edge computing	2024-06-24 16:12:52	View Edit	Configuration Design	i More
8	Value-Added		M300	機組织	8	0	edge computing	2024-06-24 15:58:51	View Edit	Configuration Design	i More
Ě	services Exclusive		1	橋追訳	1	0	edge computing	2024-04-28 15:28:14	View Edit	Configuration Design	i More
	configuration		未命名-2024-01-17 15:53:10	根间的	1	1	The cloud polling	2024-01-17 16:01:43	View Edit	Configuration Design	More
	Extend		N520	機組织	i	1	The cloud polling	2024-01-10 17:03:56	View Edit	Configuration Design	i More
							Total 44	8 10/page ~ Pre 1 2	3 4 5	Next Go to 1	

19. Configure the template name, the protocol is configured like below:

☆	USR Cloud Cons www.usr.cn	sole _{lot}	DM						service support	🕞 user rights	③ 前体中文	22208980666
53	Quick start	Device managemen	it > Device Template > Add d	evice template								
8	Screen v management	Add Device tem	plate									
Ø	Scene , management	Template Infor	mation			0.3	State configuration					
69	Device ^ management ^	* Template Modbus Test					* State 🧿 Gateway	O Equipment data				
	Device List	Name					judgment mode					
e	Gateway management	Device formplade * Belonging My project1 Sharing by Sharing by regence subordinate										
ن 4	gateway management Configuration	* Acquisition methods	The cloud polling edge	computing	15							
ш	management Data center 🛛 👋											
ä	Alarm linkage 💙	Data Nodes lis	t.							Whethe	r to enable multi	slave mode
8	Value-Added services	* Protocols	Modbus / PLC / DL/Modb	us/Modbus RTU Y Advance	d Options							
≞	Exclusive configuration	Add meta		Comment					AU-221115 5-2			0
88	Extend ~	Add variat	Import variable	sequence					All variables		it variable name	Query
		Number	Variable name	Variable Type	Value Type	Register	Write&Read	Storage Mode	Operation			

20. Add the Modbus registers according to the user manual of your Modbus device.
Register: It is the same as the Modbus master software. Fill in the decimal register address.
Function code 03H or 06H, starting address 0000H, register is 4 and address filling 1;
Function code 04H, starting address 000AH, register is 3, address filling 11;
Function code 01H or 05H, starting address 0002H, register is 0 and address is 3;
If the function code is 02H and the start address is 0003H, the register is 1, and the address is

filled with 4.

	plate							
mplate inform	nation	Add variable			_		×	
* Template	ModbusTest	* Variable name Hurr	idity		Variable unit	Please enter variable units	_	
Name		Variable identifier						
* Belonging	My project1	* Variable Type Dire	tly collected variables				~	
organize		Register 4	~	ī	40001(ushort)			
* Acquisition methods	The cloud polling	* Data format 16-b	it unsigned				~	
		* Collection Frequency 1 mi	nute				~	
ta Nodes list	L.	* Number format Inter	ger		✓ □ Thousandth			Whether to enable multi slave mo
* Protocols and drivers	Modbus / PLC / DL/Mo	* Storage Type Va	riable Storage 🔍 🔽 All Stor	age				
Add variab	lmport variable	* Read/write 🔘 W	inte&Read On	ly 🔘 Write Only			bles	V Please Innut writible name
	import variable	Adva	aced Options - How	to set variable permissions d	ick to view details		Jies.	
				-		Cancel O	ĸ	
odes list rotocols I drivers	Modbus / PLC / DL/Modbu	s/Modbus RTU Y Advanced	Options				20. 20	Whether to enable multi slave mode
d variable	Import variable	Sequence Variable Type	Value Type	Penister	Write&Reard	Storage Mode	All variables V	Please Input variable name
her	Humidity	Directly collected variable	s ushort	40001	Read Only	All Storage	Edit Add trioger	View trigger Delete
ber							anara () shinting a sa	a generation and a second state
ber (Temperature	Directly collected variable	s ushort	40002	Read Only	All Storage	Edit Add trigger	View trigger Delete

21. After adding template, click to add a device. Here the device is corresponding to your serial device.

煮	USR Cloud Con www.usr.cn	sole	IOT DM					P s	ervice support 🛛 user rigt	ts 🚯 18640	¢ 🚺 22201	\$\$6066@qq.cor
×	Quick start	Device	management > Devic	te List								
፼	Screen management	Devic	e List				0 more can be created Add Device	Batch Add Batch Delete	Batch associate gate	way Se	equence 👱	Export
0	Scene v management	Plea	ase select orga 🗠	Please select devir 🗸 🛛 Pel	ase Choose tags 🗸 🛛 Please tag	Query	-					
65	Device ^	0	Device status	Device Name	Serial number	Belonging organize	Gateway	Device template	Tag	Operation		
	Device List Device Template		Offline	M100	0000047955000012	MyGroup	gateway	s3eec 16:13:06	Electro Sensor Sensor	View Ec	lit Configuration	Delete
e	Gateway management Third party	0	• Offline	W610	0000047955000011	Missia	W610	朱命名-2024-01-17 15:53:10	-	View Ec	lit Configuration	Delete
٢	gateway management	0	Offine	N520	0000047955000010	積組织	N520	N520		View Ec	lit Configuration	Delete
あ	Configuration management		Offline	T2	0000047955000009	根据院	T2	T2	-	View Ec	lit Configuration	Delete
ш	Data center 🛛 👻		not configured	Sensor	0000047955000008	My project1	Relevance	Relevance		View Ec	lit Configuration	Delete
ä	Alarm linkage 💙		Offine	302steve	0000047955000006	積組织	302steve	302steve		View Ec	lit Configuration	Delete
8	Value-Added services		Offine	305-Steve	0000047955000005	111	305-Steve	306-Steve		View Ec	lit Configuration	Delete
Eh	Exclusive		Offline	RELEAS	0000047955000004	My project1	RestRest	Sensor-test	-	View Ec	lit Configuration	Delete
88	Extend ~		Offine	USR-I0424-EWR	0000047955000003	MyGroup	USR-IO424-EWR	USR-IO424T-2021-01-25 02-07-11	-	View Ec	lit Configuration	Delete
			Offine	VCOM11	0000047955000002	MyGroup	VCOM11	VCOM Test		View Ec	lit Configuration	Delete
								Total 11	10/page V Pre	1 2	Next Go to	1

22. Bind the device to the created Modbus template and gateway.

*	USR Cloud Cons www.usr.cn	sole INT DM			
8	Quick start	Device management . Device List . Add device			
2	Screen	Add Davies			
Ø	Scene ~	Add Device			
	management Device	Basic Information			
69	management	* Device name Sensor		Upload Pictures	
	Device List	* Belonging organize My project1	~	Select the File	
EN I	Gateway 🗸	Device description		Only support JPG	, GIF, PNG format, the size of 5M or less
	management Third party			Device location <o manual="" posi<="" th=""><th>ioning 🕘 💫 Gateway Positioning 🕲</th></o>	ioning 🕘 💫 Gateway Positioning 🕲
8	gateway * management	Device Tags Add tags		Devices Map 美莲广场, Jina	n Shi, Shandong 250104lect Address
品	management				
Ш	Data center 🛛 🗸	Data Settings			
ä	Alarm linkage 💙	Associated Device Choose a template			
Ø	Value-Added	Template			
Ŀħ	Exclusive				
	Configuration	Networking settings			
00	LAICIN	Associated Gateway Please select a gateway	association 🔗 Add Gateway		
				Save	
Add	Device				
В	lasic Information	Choose a template			×
	* Device name				
		Add template Existing template	_		
	* Belonging organize	ModbusTest	Quantity of Variable S: 2 Acc	quisition methods: The cloud polling	
	Device description	USR-TEST	USR-TEST ime	Value Type	
		0 111	Humidity	ushort	
	Device Tags	⊖ Test	Temperature	ushort	
		S3eec 16:13:06			
D	ata Settings	0 0nnamed-2024-06-24 10.12.52			
	Associated Device	M300			
	Template	○ 未命名-2023-07-27 17:23:20			
		Unnamed-2023-05-05 16:49:38			
N	letworking settings	VCOM Test			
	Associated Gateway	C Edge-Test			< 1 >
					Cancel OK
		L			

23. Configure the Slave number to be same with the slave ID of your Modbus device.

d Device			
Basic Information			
* Device name	Sensor	Upload Pictures	
* Belonging organize	My project1 ~		Select the File
Device description	Please enter a device description		Only support JPO, GIF, PNG format, the size of 5M or less
	- II	Device location	Manual positioning Gateway Positioning
Device Tags	Add tags	Devices Map	美莲广场, Jinan Shi, Shandong 2 59 19 4lect Address
Associated Device	ModbusTest Delete Choose a template		
Template	1	* slave number 1	
	17		
letworking settings			
Associated Gateway	USR-W610 \odot	Add Gateway	
			Saue

24. Device gets online.

大	USR Cloud Console IoT DM P											
\otimes	Quick start	Device management > Device	vice List									
8	Screen	Device List				18 more can be created	Add Device Batch Add Batch Delete					
Ø	Scene	Please select orga \sim	All status \sim	Pelase Choose lags 👻 Please Inp	ut Device I Query							
69	Device ^	Device status	Device Name	Serial number	Belonging organize	Gateway	Device template					
	Device List Device Template	Online	Sensor	0000047955000013	My project1	USR-W610	ModbusTest					
	Gateway management	Offline	M100	0000047955000012	MyGroup	gateway	s3eec 16:13:06					
<u>ن</u> ه	Third party gateway management	Offline	W610	0000047955000011	根组织	W610	未命荟-2024-01-17 15:53:10					

25. In this test, I use an RS485 to USB adaptor to simulate an RS485 sensor to test. When the data changed in Modbus slave software, it will be updated in the cloud according to the configured time interval.

