

UC3X Series Cellular Remote I/O Quick Start Guide



Welcome

Thank you for choosing Ursalink UC3X series remote cellular I/O.

This guide describes how to install the UC3X series remote cellular I/O and how to connect to Ursalink Cloud. Once you complete the installation, refer to the Ursalink UC3X User Manual for instructions on how to perform configurations on the device.

Related Documents

This Start Guide only explains the installation of Ursalink UC3X series remote cellular I/O. For more functionality and advanced settings, please refer to the relevant documents as below.

Document	Description		
Ursalink UC3X Datasheet	Datasheet for the Ursalink UC3X series remote cellular I/O.		
Urselink UC2V User Cuide	Users could refer to the guide for instruction on how to configure		
Orsallink OC3X Oser Guide	all the settings.		

The related documents are available on Ursalink website: <u>http://www.ursalink.com</u>.

Declaration of Conformity

Ursalink UC3X series remote cellular I/O is in conformity with the essential requirements and other relevant provisions of the CE, FCC, and RoHS.





For assistance, please contact Ursalink technical support: Email: support@ursalink.com Tel: 86-592-5023060 Fax: 86-592-5023065



1. Packing List

Before you begin to install the UC3X series remote cellular I/O, please check the package contents to verify that you have received the items below.

1.1 Package Contents



If any of the above items is missing or damaged, please contact your Ursalink sales Representative.



2.1 Overview

A. Front Panel



- LED Indicator Area System: System Indicator ACT: Network Indicator
- 2 Cellular Antenna Connector
- ③ Micro USB Interface



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B. Rear Panel



① 12-Pin Pluggable Terminal

2.2 Dimensions (mm)



2.3 Pinouts

DIN	Models							
	UC3X14	UC3X22	UC3X52					
1	GND	GND	GND					
2	VIN	VIN	VIN					
3	IN1	NC	RXD					
4	IN1_COM	AIN1+	TXD					
5	IN2	AIN1-	GND					
6	IN2_COM	AIN2+	А					
7	OUT1_COM	AIN2-	В					
8	OUT1_NC	IN	IN					
9	OUT1_NO	IN_COM	IN_COM					
10	OUT2_COM	OUT_COM	OUT_COM					
11	OUT2_NC	OUT_NC	OUT_NC					
12	OUT2_NO	OUT_NO	OUT_NO					



2.4 LED Indicators

LED	Indication	Status	Description		
		Solid On	Equipment starts		
System	System Status	On for 500ms, off for 500ms	All OK		
		On for 100ms, off for 100ms	Device can not connect to server		
		Off	Network registration fails		
ACT	Network Status	On far 75mg, off far 2000mg	Successfully registered on network		
		On for 75ms, on for 3000ms	Sending/Receiving MQTT message		

3. Hardware Installation

Environmental Requirements

- Power Input: 5-24 VDC
- Operating Temperature: -40°C to 70°C (-40°F -158°F)
- Relative Humidity: 0% to 95% (non-condensing) at 25°C/77°F

3.1 SIM Card Installation

A. Unscrew the four screws in front panel of the device

B. Takeout mother board from the case.







C. Push-down the SIM card cover and lift the cover

D. Install SIM card and close the sim card cover





E. Re-install the mother board into the case



3.2 Antenna Installation

Rotate the antenna into the antenna connector accordingly.

The external cellular antenna should be installed vertically always on a site with a good cellular signal.



3.3 Connect the Router to a Computer





3.4 Mount the UC3X

Use 2 pcs of flat head Phillips screws to fix the UC3X onto the wall mounting.



Getting Started

4. Connect to Ursalink Cloud

4.1 Configure UC3X via Toolbox

Please connect PC USB port to micro USB port of UC3X series remote cellular I/O directly, PC Setup the Toolbox.

① Select Serial port and fill in the login password, default "123456", then click "Save"

Ursalink ToolBox V	4.8			
Serial information >	_			
	Serial Port Settings		×	
	Serial port	COM7	•	
	Login password			
	Baud rate	115200	•	
	Data bits	8	<u>•</u>	
	Parity bits	None	<u> </u>	
	Stop bits	1	<u>•</u>	
	Save	Canc	el	

② Click "Status" to check status of the Remote I/O



	Ursalink ToolBox V4.8					
	Status >					
Status	Model:	UC3414				
	Serial Number:	611990402282				
	Partnumber:	EU-0400				
General	Firmware Version:	<mark>01</mark> .04				
	Hardware Version:	V2.0				
ഷ	Local Time:	65436-01-01 00:03:51 Monday				
Command	Network Status:	Not registered on network				
	Signal Strength:	15asu(-83dbm)				
	Input:	Low /Low				
¥	Output:	Low /Low				
Upgrade						

③Click "General" configure the application mode, select "Ursalink Cloud" to connect to Ursalink Cloud, then configure the APN of the sim card and click "Save".

Note: If you use other server, could dropdown and select TCP, AWS, for more details please check the user guide.



(4) After could check the network status in "Status/Network Status"



	Ursalink ToolBox V4.8					
	Status >					
Status	Model:	UC3414				
	Serial Number:	611990402282				
(E)	Partnumber:	EU-0400				
لےکہک General	Firmware Version:	01.04				
	Hardware Version:	V2.0				
ക	Local Time:	65455-03-13 11:14:57 Wednesday				
Command	Network Status:	Registered				
	Signal Strength:	26asu(-61dbm)				
~	Input:	Low /Low				
살	Output:	High /Low				
Upgrade						

4.2 Ursalink Cloud configuration

(1) Register an account of the Ursalink cloud



(2) Login Ursalink Cloud and go to "Device/My Device" and Click "Add Device"



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Device	1	•
My Device		
Device Group		
Account	- 0	,

③Fill in the SN of the UC3X, click "Add"

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CURSALINK Cloud						
Device 👻						
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Device Group						
Account •	Add Device X					
	SN * 611990402282					
	Add Device					
	Copyright 2017-2019 Xiamen Ursalink Technology Co.,Ltd.					

(4) UC3X connected to Ursalink Cloud



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My Device													
Device Group	Status	Device Name	🔶 Group Name	÷	Input/Output Status		🔶 Update Time 🍦	Model	Serial Nun	sber 🔶	Oper	ation	ľ
Account	all a	My Device	λ.n		DL1 DO_1 C	» 🗠	2019-03-13 19:33	UC3414	61199040	02282	ବ୍ର	Ē	
					Convrict 2017-2019 Viamen Ursalin	k Technology Co. Lt	d .						

⑤Click 🙆 to configure the UC3X from Ursalink cloud

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← → C A https://cloud.ursalink.com	• Q 🖈 🖸 🚱 🕴
	chris@ursalink.com 🖉 🕞
Device Restart Basic Setting Command Setting Check for Updates	Refresh Last synchronization: 2019-03-13 14 22:15
Account Device Name * 31asu .il Model: UC3414 Firmware: v1.4 SN: 611990402282 Hardware: v2.0 IMEL: - My Device D1 D2 D1 D2	₽ A
I/O Data History Hour I/O DI_1	

Note: For More details, please refer to the UC3X user guide.

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