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.

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ursalink UC3X Datasheet</td>
<td>Datasheet for the Ursalink UC3X series remote cellular I/O.</td>
</tr>
<tr>
<td>Ursalink UC3X User Guide</td>
<td>Users could refer to the guide for instruction on how to configure all the settings.</td>
</tr>
</tbody>
</table>

The related documents are available on Ursalink website: [http://www.ursalink.com](http://www.ursalink.com).

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

1 × UC3X
1 × Stubby
1 × 12-Pin Pluggable Terminal
1 × Warranty Card
Setscrews

Optional Accessories

1 × Power Adapter (Optional)
1 × Magnetic Mount Cellular Antennas (Optional)

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

2. Hardware Introduction

2.1 Overview

A. Front Panel

1. LED Indicator Area
   - System: System Indicator
   - ACT: Network Indicator
2. Cellular Antenna Connector
3. Micro USB Interface
B. Rear Panel

![12-Pin Pluggable Terminal]

2.2 Dimensions (mm)

![Dimensions Diagram]

2.3 Pinouts

<table>
<thead>
<tr>
<th>PIN</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UC3X14</td>
</tr>
<tr>
<td>1</td>
<td>GND</td>
</tr>
<tr>
<td>2</td>
<td>VIN</td>
</tr>
<tr>
<td>3</td>
<td>IN1</td>
</tr>
<tr>
<td>4</td>
<td>IN1_COM</td>
</tr>
<tr>
<td>5</td>
<td>IN2</td>
</tr>
<tr>
<td>6</td>
<td>IN2_COM</td>
</tr>
<tr>
<td>7</td>
<td>OUT1_COM</td>
</tr>
<tr>
<td>8</td>
<td>OUT1_NC</td>
</tr>
<tr>
<td>9</td>
<td>OUT1_NO</td>
</tr>
<tr>
<td>10</td>
<td>OUT2_COM</td>
</tr>
<tr>
<td>11</td>
<td>OUT2_NC</td>
</tr>
<tr>
<td>12</td>
<td>OUT2_NO</td>
</tr>
</tbody>
</table>
2.4 LED Indicators

<table>
<thead>
<tr>
<th>LED</th>
<th>Indication</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>System Status</td>
<td>Solid On, On for 500ms, off for 500ms</td>
<td>Equipment starts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On for 100ms, off for 100ms</td>
<td>All OK</td>
</tr>
<tr>
<td>ACT</td>
<td>Network Status</td>
<td>Off</td>
<td>Network registration fails</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On for 75ms, off for 3000ms</td>
<td>Successfully registered on network</td>
</tr>
</tbody>
</table>

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”

② Click “Status” to check status of the Remote I/O
③ Click “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”
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”
③ Fill in the SN of the UC3X, click “Add”

④ UC3X connected to Ursalink Cloud
5) Click to configure the UC3X from Ursalink cloud

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

[END]