








UA I/O Series Quick Start

V5.0, 09/2022

Packing List

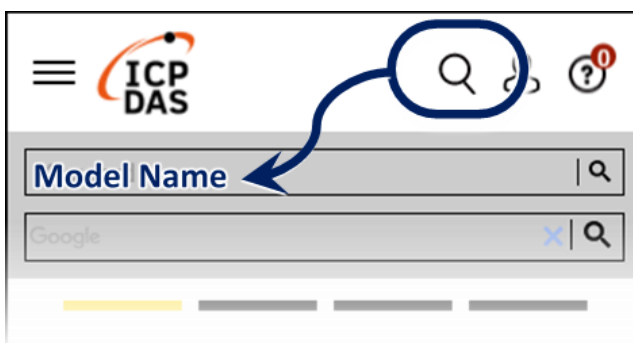
UA I/O package includes this document and the following items:

U-75xx I/O Module 	MicroSD Card  * This card is already in the I/O module. It is used to install the FW. <u>DO NOT</u> remove it.	Screw Driver 
DB-1820  For U-7518ZM/S U-7519ZM/S	DN-1822 CA-252518D-1  For U-7518ZM/S2 U-7519ZM/S2	

Technical Resources

How to search for drivers, manuals and spec information on ICP DAS website.

● For Mobile Web



Technical Support

service@icpdas.com

<https://www.icpdas.com>

● For Desktop Web



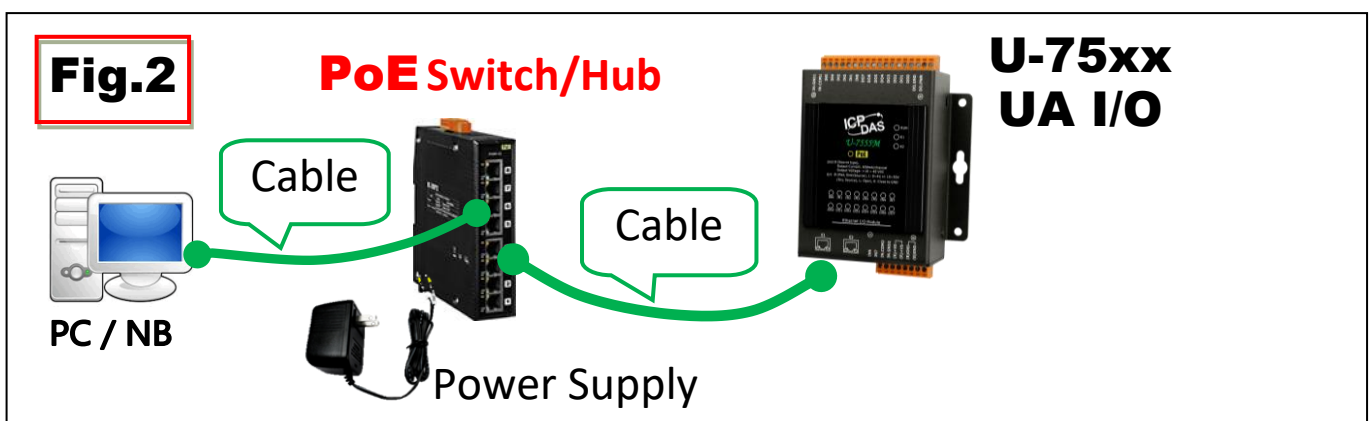
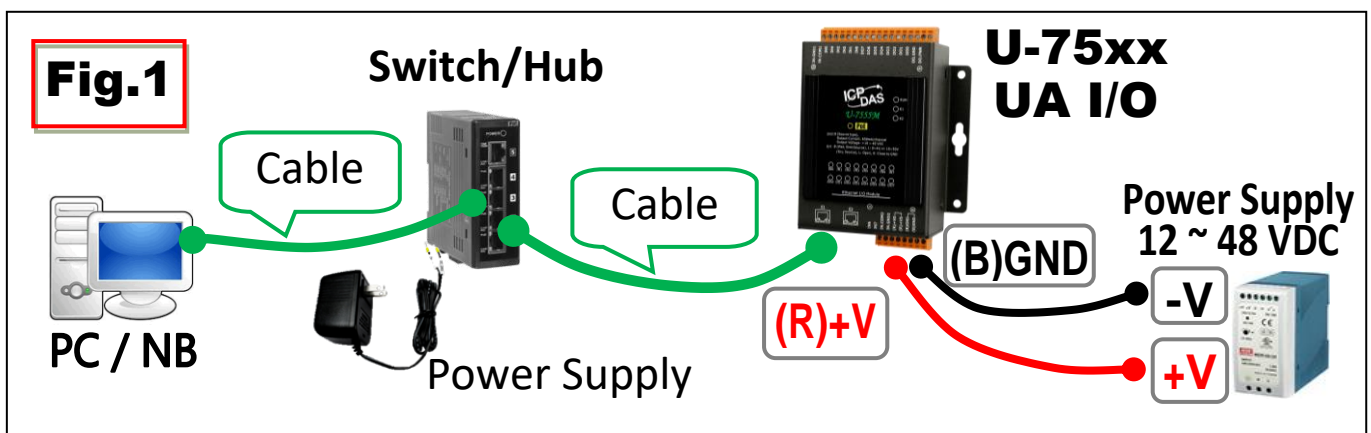
1. Preparations for Devices

1. PC/NB: Can connect to the network and set the network
2. Ethernet Switch/Hub (Ex: NS-205A or PoE Switch NSM-208SE)
3. Power Supply: +12 ~ +48 VDC (Ex: MDR-60-24)

2. Hardware Connection

Connect the UA I/O Module with the RJ-45 Ethernet port to an Ethernet switch/hub (Fig.2 for PoE Switch) and PC. You can also directly link the U-75xx to PC with an Ethernet cable.

After power is connected, please **【wait 1 minute】** for U-75xx start-up procedure. When the "RUN" light starts flashing, it represents the boot is complete.



3. Network Connection

Factory Default Settings of U-75xx			
Network	IP	192.168.255.1	Assign U-75xx a new IP setting according to your case.
	Mask	255.255.0.0	
	Gateway	192.168.1.1	
Web UI Account	Username	root	After login, change the username/ password at once.
	Password	root	

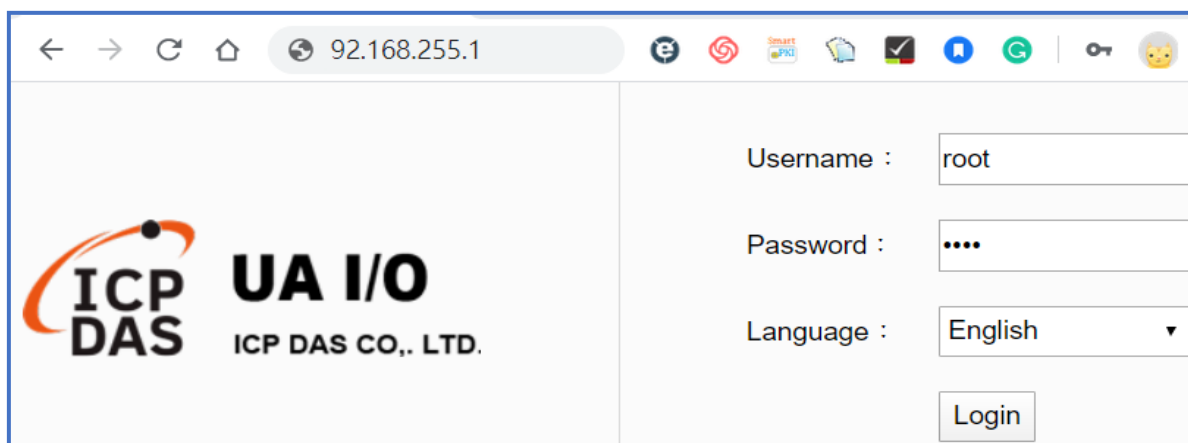
1. Change the **PC's IP** setting as following.

(Write down the **PC original** network settings before modify.)

EX:

IP	192.168.255.10
Subnet mask	255.255.0.0
Default Gateway	192.168.1.1

2. Make sure the PC and U-75xx is connecting through Ethernet. And then open a PC side browser (Ex: Chrome, IE...). Type **http://192.168.255.1** in the URL address. Use default Web UI username/password **root/root** to login.



3. Change the Username/password in **【Account Setting】** of **【System Setting】** , or user cannot use any other function.

The screenshot shows the ICP DAS UA I/O web interface. The top navigation bar includes 'System Setting' (highlighted with a red box), 'Module Setting', 'OPC UA Setting', 'MQTT Setting', and 'Adva'. The left sidebar lists 'Overview', 'Network Setting', 'Time Setting', 'Account Setting' (highlighted with a red box), 'Firmware Setting', and 'Web Server Setting'. The main content area is titled 'Account Setting' and contains three input fields: 'Username' (with 'root' entered), 'Password' (with four dots), and 'Confirm Password' (with four dots). A 'Save' button is located at the bottom right of the form area.

4. Click **【System Setting】** → **【Network Setting】** > **【Network Setting(LAN)】** to change the IP settings by user network.

The screenshot shows the ICP DAS UA I/O web interface. The top navigation bar includes 'System Setting' (highlighted with a red box), 'OPC UA Setting', and 'MQTT Setting'. The left sidebar lists 'Overview', 'Network Setting' (highlighted with a red box), 'Time Setting', 'Account Setting', 'I/O Setting', 'I/O Status', and 'Firmware Setting'. The main content area is titled 'Network Setting (LAN)' (highlighted with a red box) and contains a 'Connection Mode' section with two radio buttons: 'Specify an IP address.' (selected) and 'Obtain an IP address automatically.'. Below this are three rows of input fields: 'IP Address' (192, 168, 81, 252), 'Mask' (255, 255, 0, 0), and 'Gateway' (192, 168, 1, 1). A 'MAC Address' field shows '00:0d:e0:b0:f0:00'. A 'Save' button is located at the bottom right of the form area.

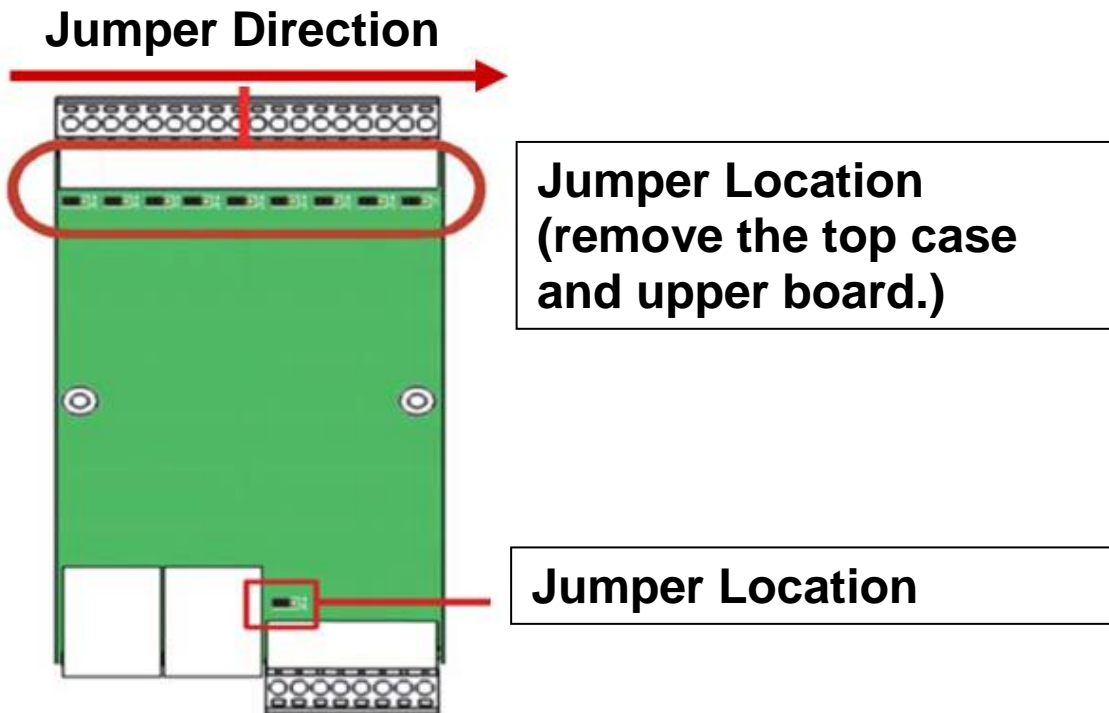
5. Save the IP settings, restore the PC original IP settings, and then type the **new IP/Username/Password** in the browser to login the Web UI of U-75xx to configure user's UA project.

● AI/AO Jumper Setting

To change the Selection Jumpers for Analog channels:

1. Remove the top case and upper board of the module, the selection jumpers are next to the connector.

Jumper Location Figure

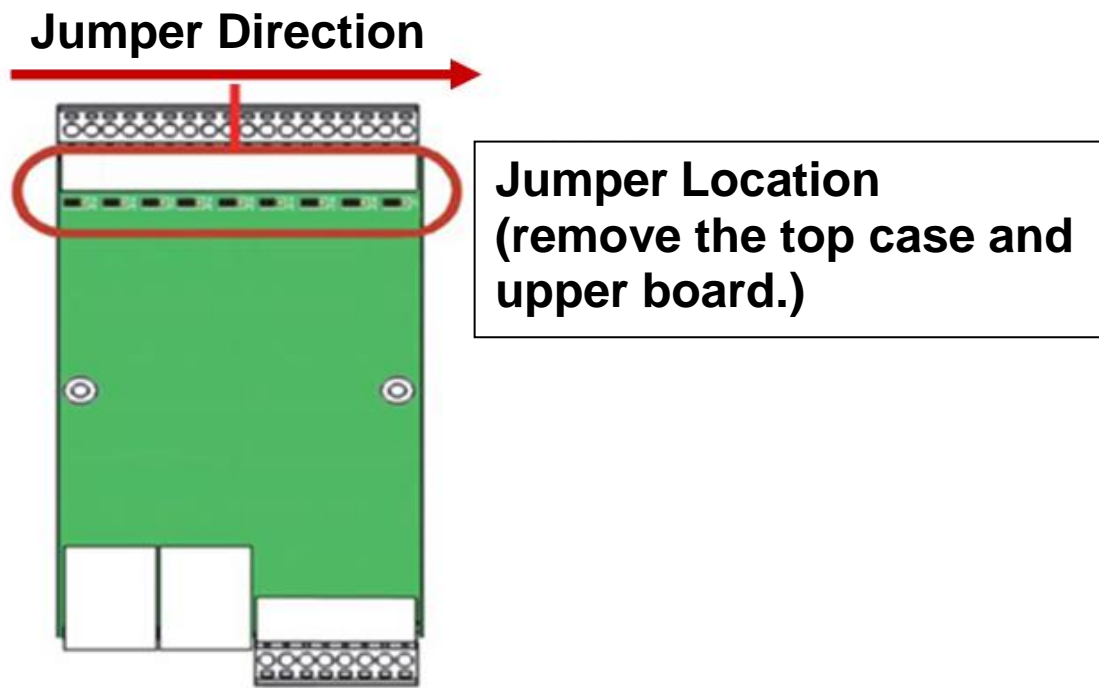


U-7502M		
Channel	Vin1±	Vin0±
Jumper	J2	J1
Channel	Vin2±	
Jumper	J3	

U-7528M		
Channel		
Jumper		
Channel	V/Iout6+	V/Iout7+
Jumper	J1	J2

U-7517M-10									
Channel	Vin8±	Vin7±	Vin6±	Vin5±	Vin4±	Vin3±	Vin2±	Vin1±	Vin0±
Jumper	J9	J8	J7	J6	J5	J4	J3	J2	J1
Channel	Vin9±								
Jumper	J10								

Jumper Location Figure



U-7504M								
Channel	Vin3	Vin2	Vin1	Vin0	Vout3	Vout2	Vout1	Vout0
Jumper	J4	J3	J2	J1	J8	J7	J6	J5

U-7524M				
Channel	Vout3+	Vout2+	Vout1+	Vout0+
Jumper	J4	J3	J2	J1

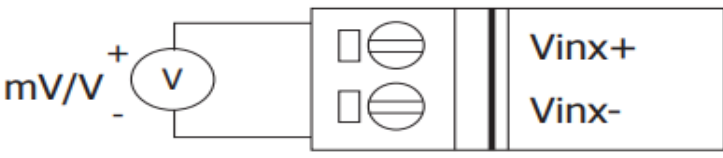
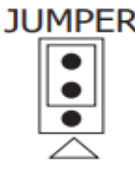
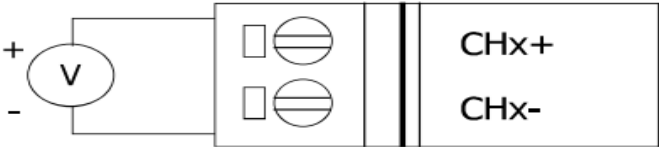

U-7526M								
Channel	Vout1	Vout0	Vin5	Vin4	Vin3	Vin2	Vin1	Vin0
Jumper	J8	J7	J6	J5	J4	J3	J2	J1

U-7517M								
Channel	Vin7±	Vin6±	Vin5±	Vin4±	Vin3±	Vin2±	Vin1±	Vin0±
Jumper	J8	J7	J6	J5	J4	J3	J2	J1

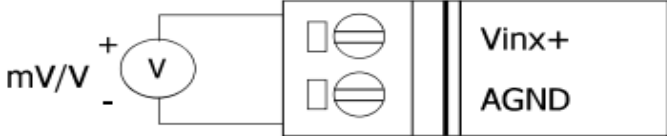
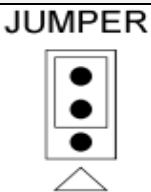
U-7519ZM										
Channel	CH0±	CH1±	CH2±	CH3±	CH4±	CH5±	CH6±	CH7±	CH8±	CH9±
Jumper	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10

- 2.** Set up the **Jumper** corresponding to the type of **Voltage / Current** and **Input / Output** for each analog channel.

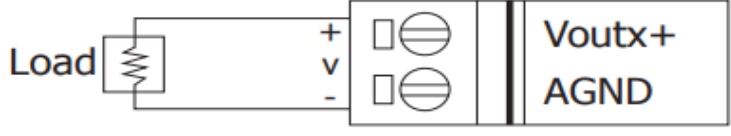
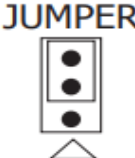
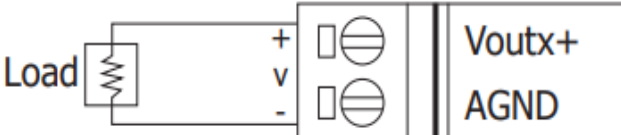
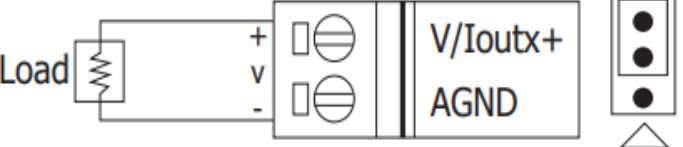
Voltage Input Selection Jumper (Jumpers default: Voltage)

U-7502M, U-7504M, U-7517M, U-7517M-10, U-7526M	
	
U-7519ZM	
	


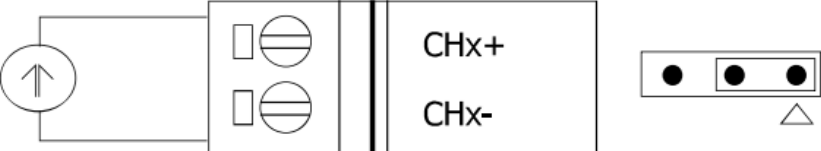
Voltage Input (Single-ended Mode) Selection Jumper

U-7517M-10	
	


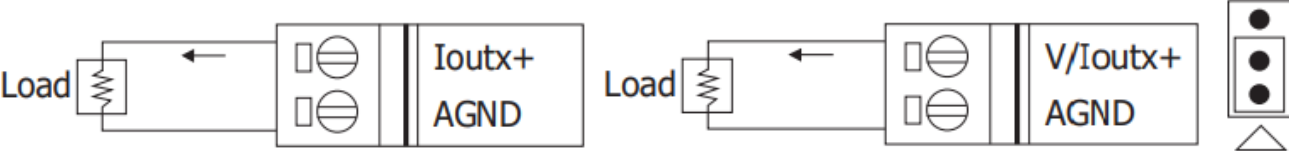
Voltage Output Selection Jumper

U-7504M, U-7524M, U-7526M	
	
U-7528M	
	

Current Input Selection Jumper

U-7502M, U-7504M, U-7517M, U-7517M-10, U-7526M	
	
U-7519ZM	
	

Current Output Selection Jumper

U-7504M, U-7524M, U-7526M	
	
U-7528M	
	

Thermocouple Input Selection Jumper

U-7519ZM	
