UA I/O Series Quick Start

V6.0, 12/2023

Packing List

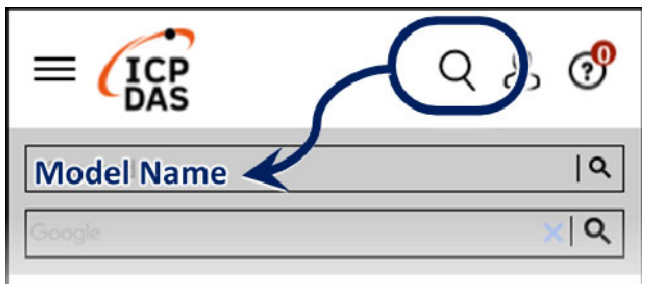
UA I/O package includes this document and the following items:

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**



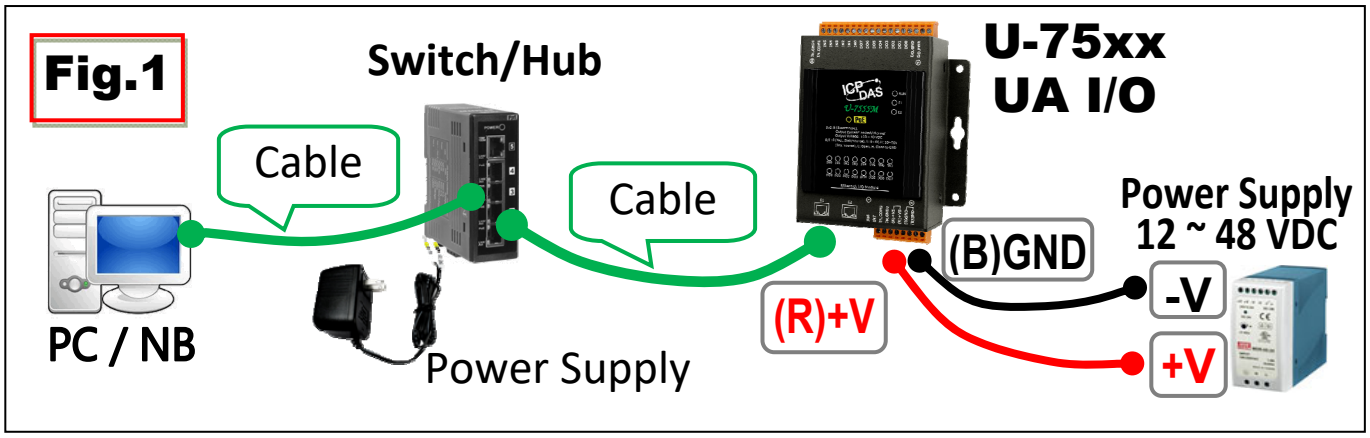
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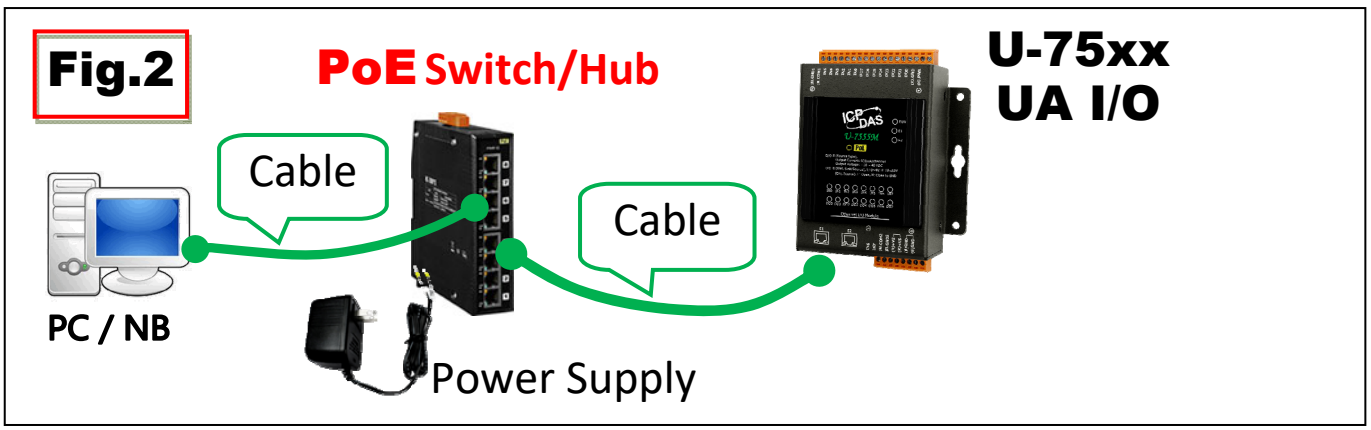
1. Preparations for Devices

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 operating, it represents the boot is complete. **(**After a minute, the "**RUN**" light flashes at one-second intervals, showing that the contact of the SD card in the module is abnormal.)





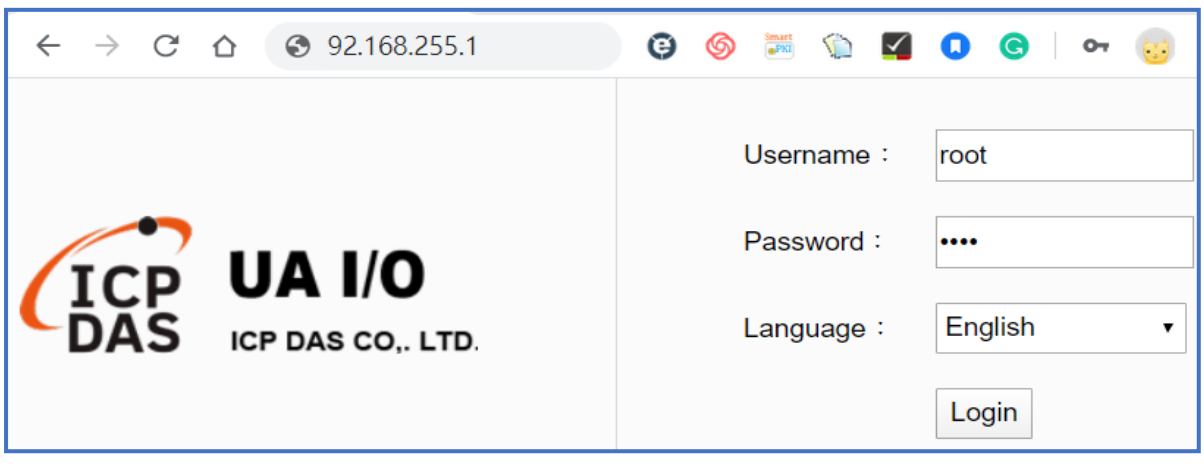
3. Network Connection

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:

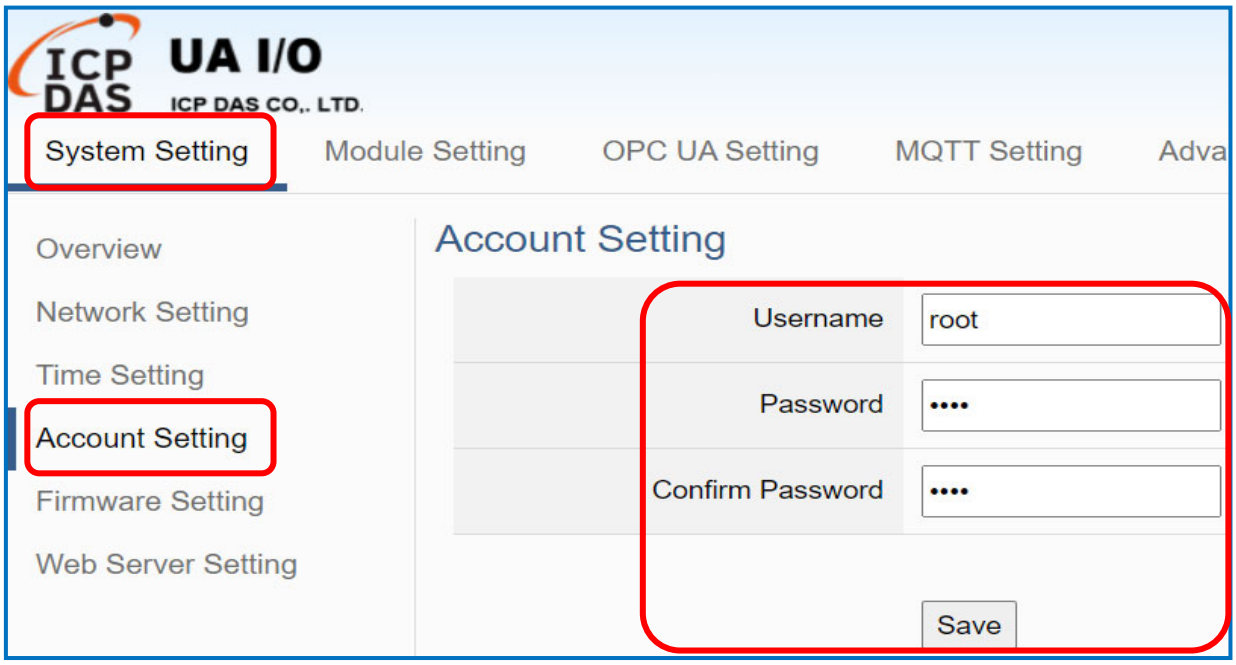
IP	**192.168.255.10**
Subnet mask	**255.255.0.0**
Default Gateway	**192.168.1.1**

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.

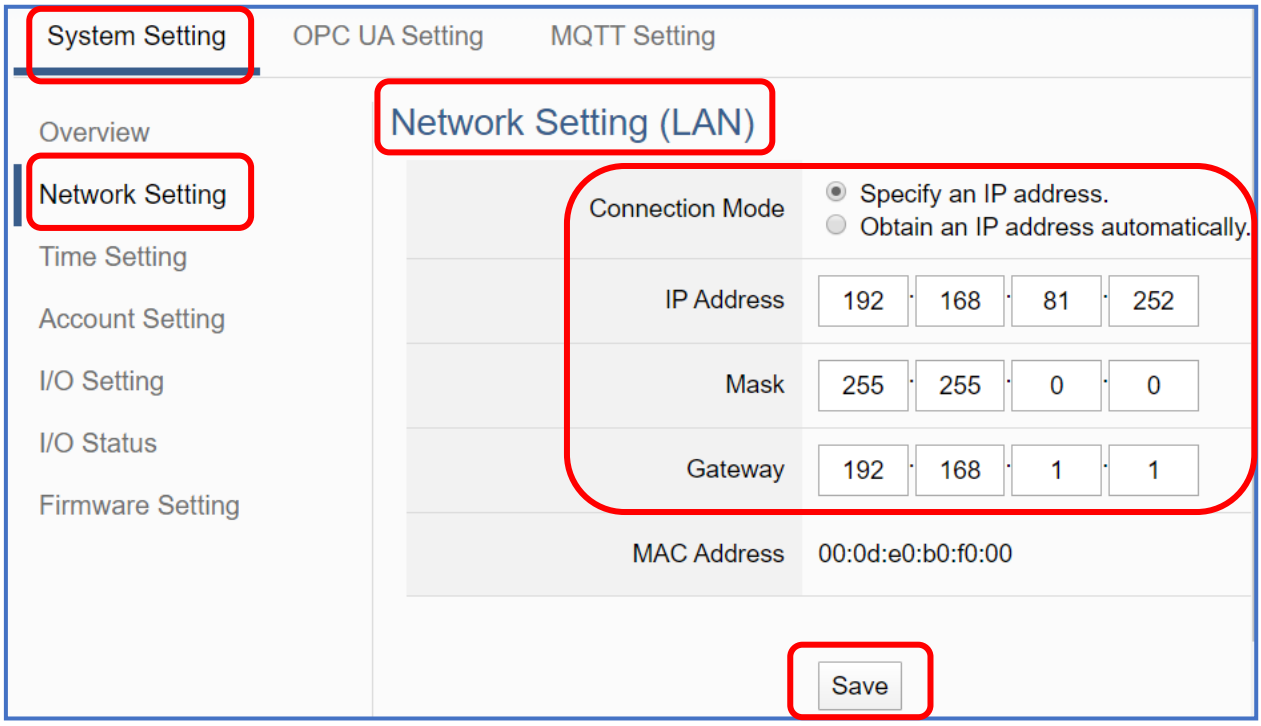


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3. **Change** the **Username/password** in 【**Account** Setting】of 【**System** Setting】, or user cannot use any other function.



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



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.

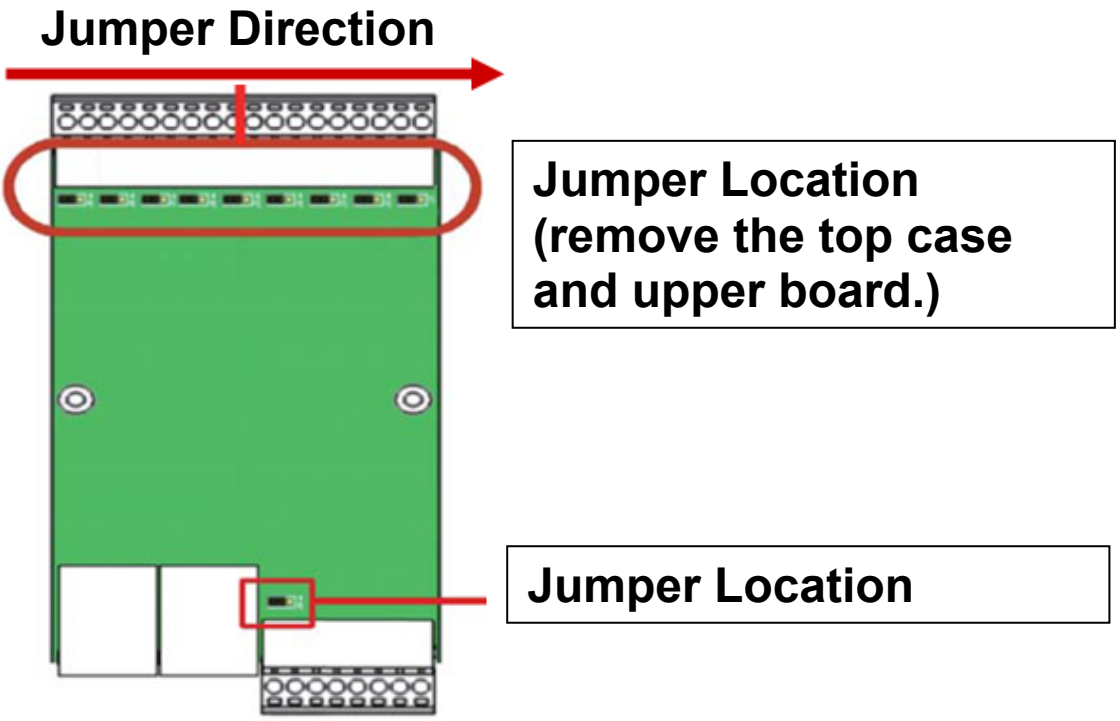
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● AI/AO Jumper Setting

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



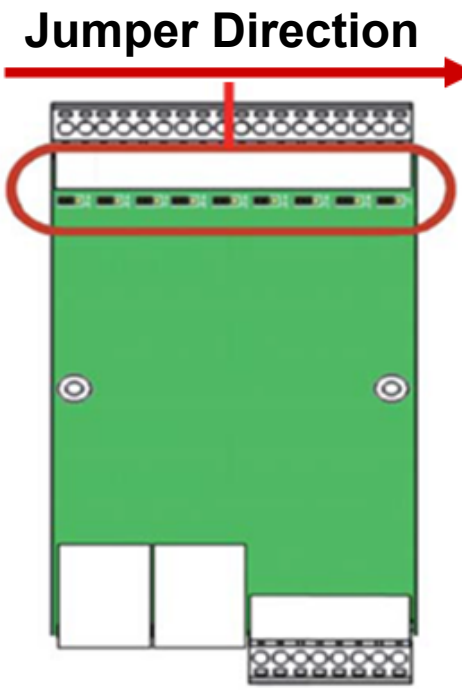
U-7502M		
Channel	Vin1±	Vin0±
Jumper	J2	J1
Channel	Vin2±	
Jumper	J3	

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								

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Jumper Location Figure



Jumper Location (remove the top case and upper board.)

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

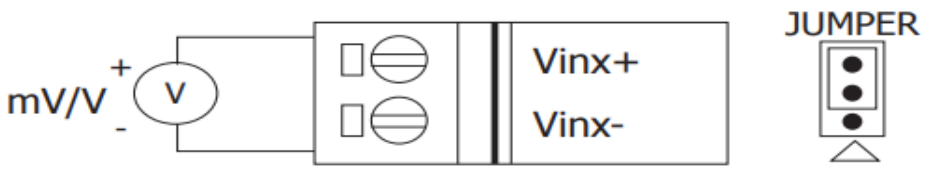
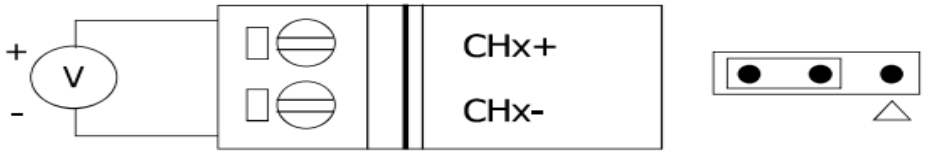
U-7526M								
Channel	Vout1	Vout0	Vin5	Vin4	Vin3	Vin2	Vin1	Vin0
Jumper	J8	J7	J6	J5	J4	J3	J2	J1

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)

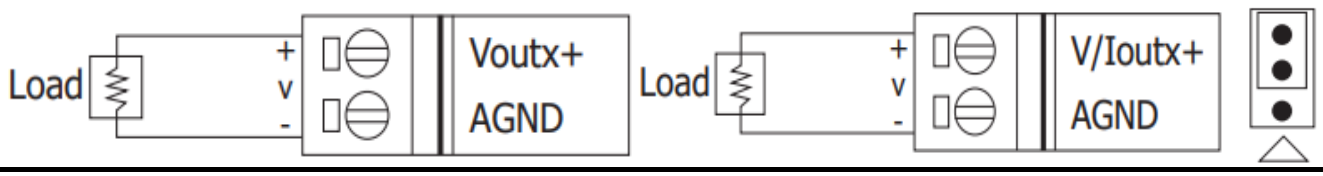
U-7502M, U-7504M, U-7517M, U-7517M-10, U-7526M

U-7519ZM


Voltage Input (Single-ended Mode) Selection Jumper

U-7517M-10

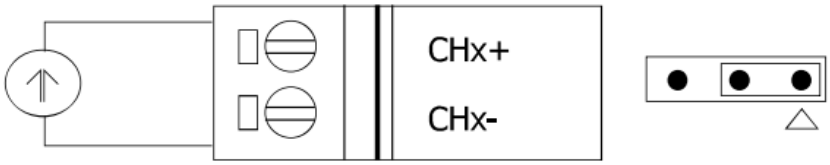

Voltage Output Selection Jumper

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

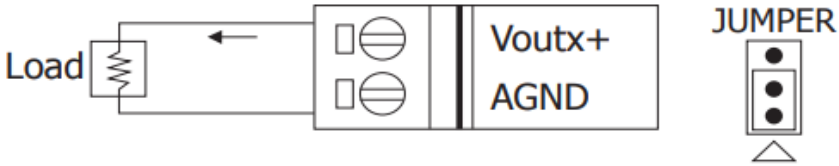
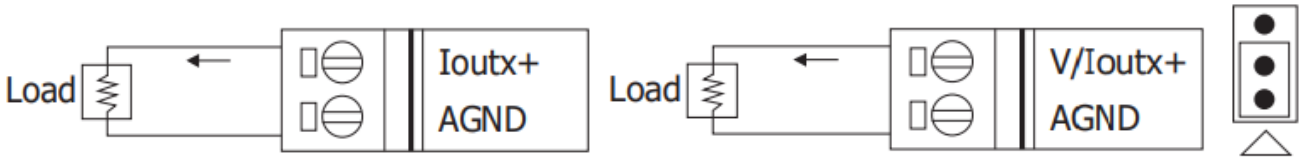
U-7528M


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
