








# UA I/O Series Quick Start

V6.0, 12/2023

## Packing List

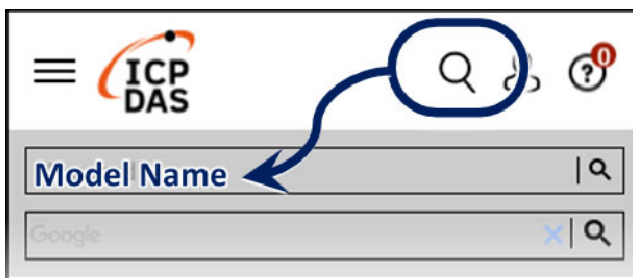
UA I/O package includes this document and the following items:

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

## Technical Resources

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

### ● For Mobile Web



### Technical Support

[service@icpdas.com](mailto:service@icpdas.com)

<https://www.icpdas.com>

### ● For Desktop Web



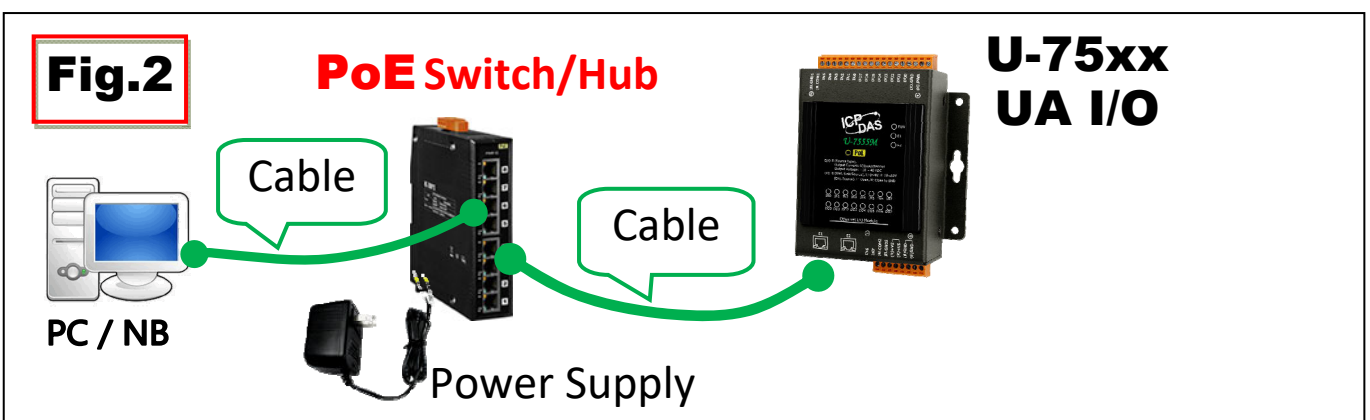
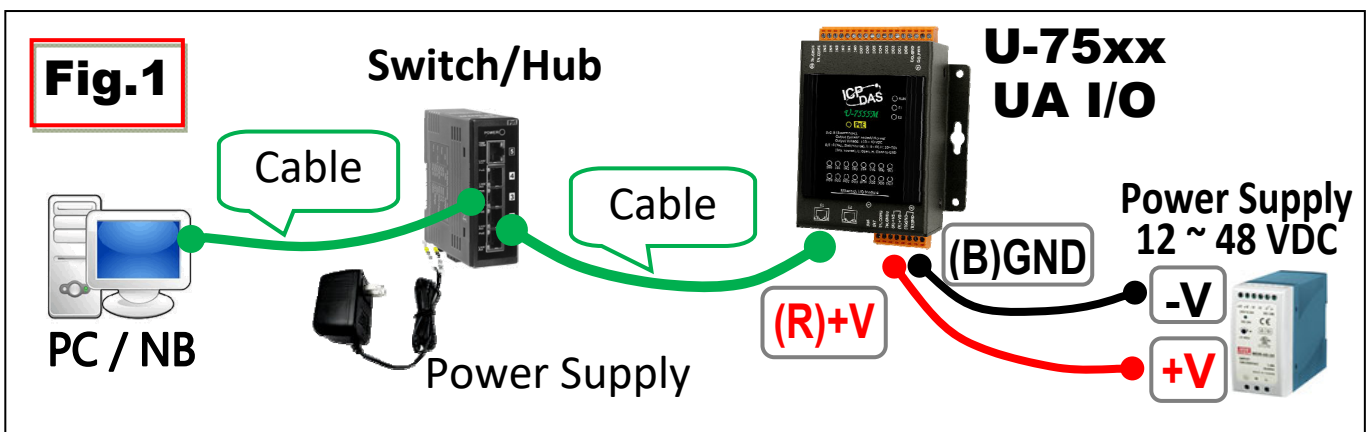
# 1. Preparations for Devices

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 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.)



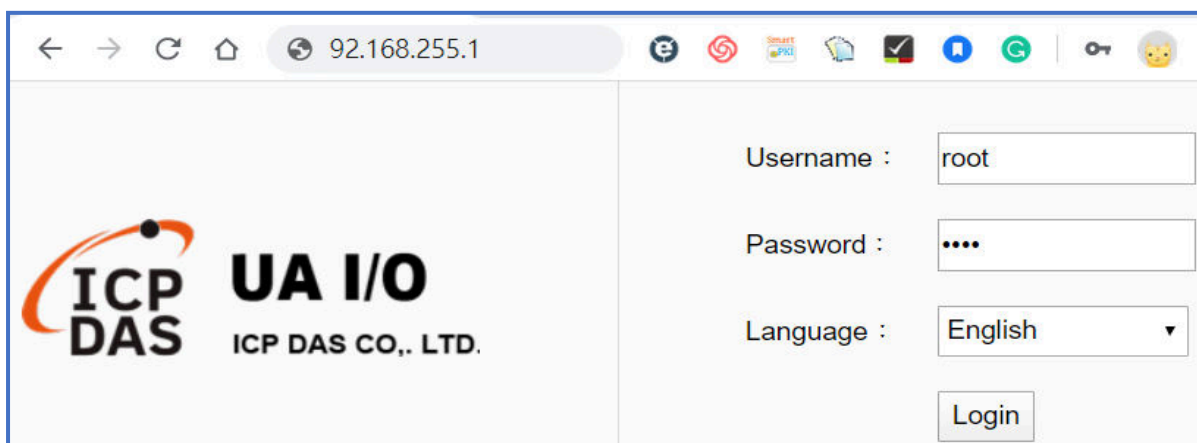
# 3. Network Connection

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	

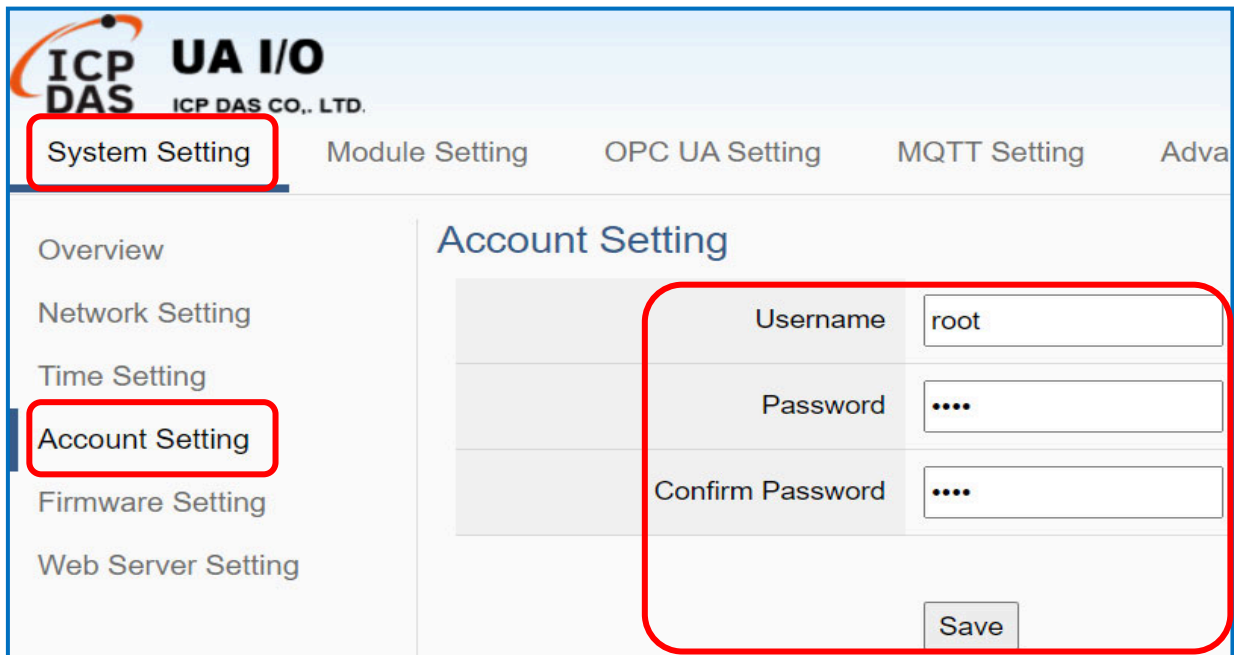
1. Change the **PC's IP** setting as following.  
(Write down the **PC original** network settings before modify.)  
EX:

IP	192.168.255.10
Subnet mask	255.255.0.0
Default Gateway	192.168.1.1

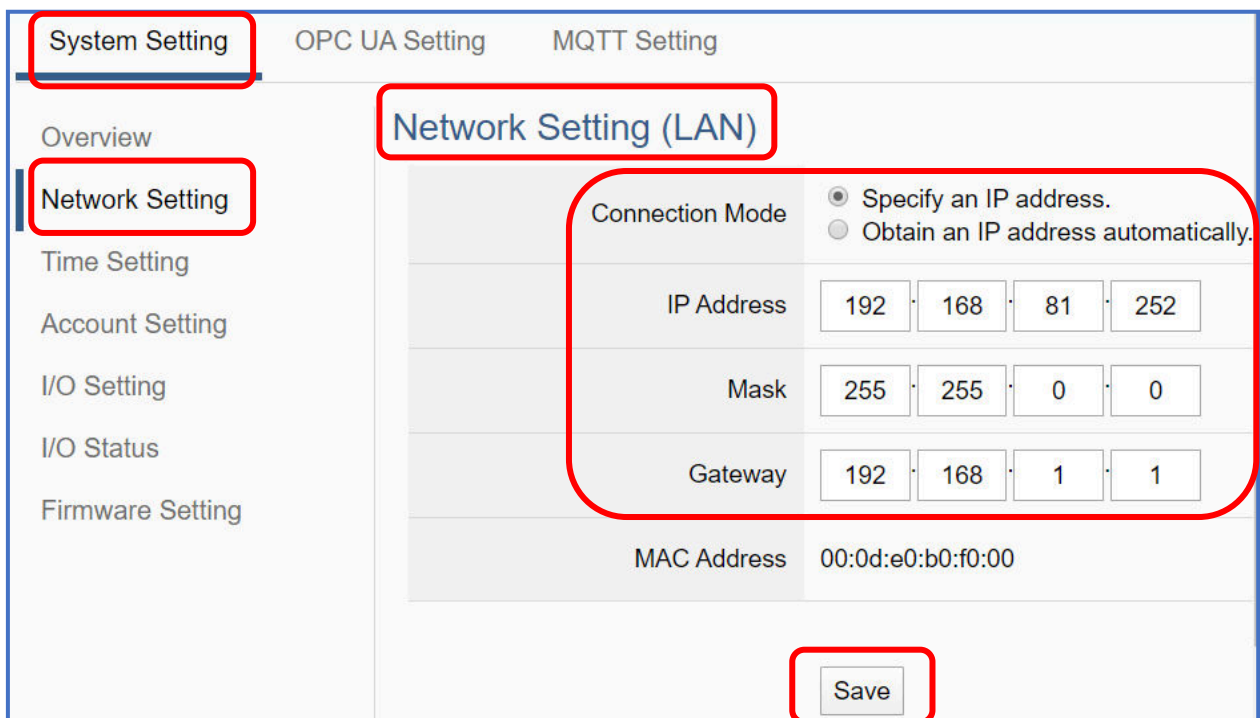
2. Make sure the PC and U-75xx is connecting through Ethernet. And then open a PC side browser (Ex: Chrome, IE...). Type **http://192.168.255.1** in the URL address. Use default Web UI username/password **root/root** to login.



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.



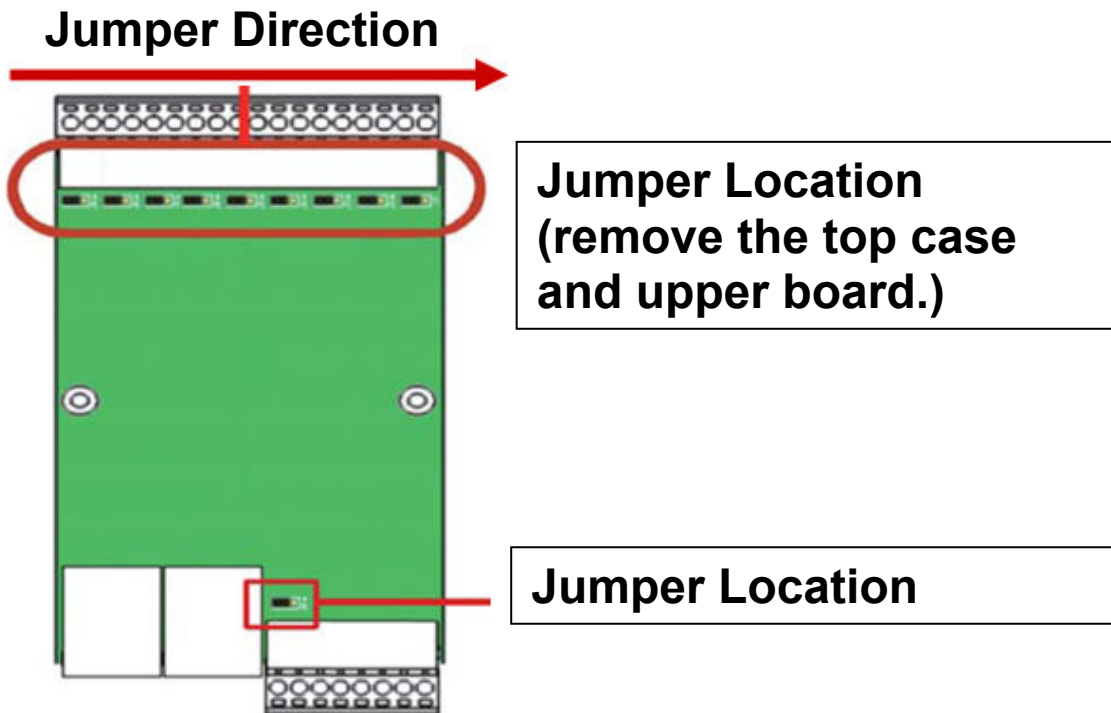
5. Save the IP settings, restore the PC original IP settings, and then type the **new IP/Username/Password** in the browser to login the Web UI of U-75xx to configure user's UA project.

# ● 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**

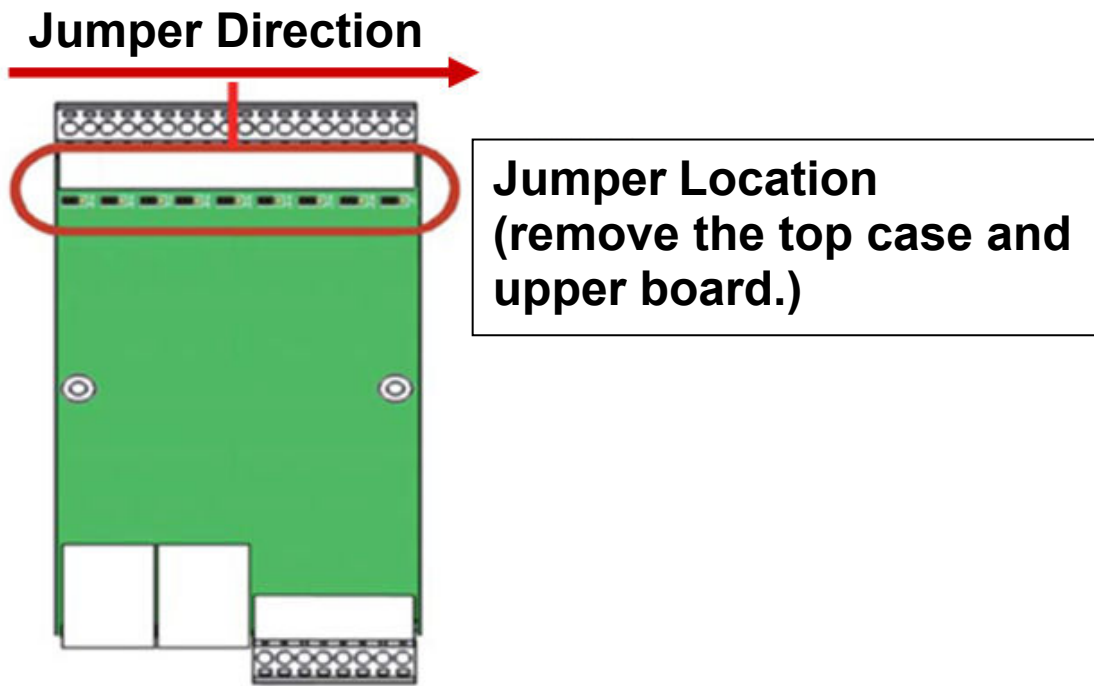


U-7502M		
Channel	Vin1±	Vin0±
Jumper	J2	J1
Channel	Vin2±	
Jumper	J3	

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



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

<b>U-7524M</b>				
Channel	Vout3+	Vout2+	Vout1+	Vout0+
Jumper	J4	J3	J2	J1

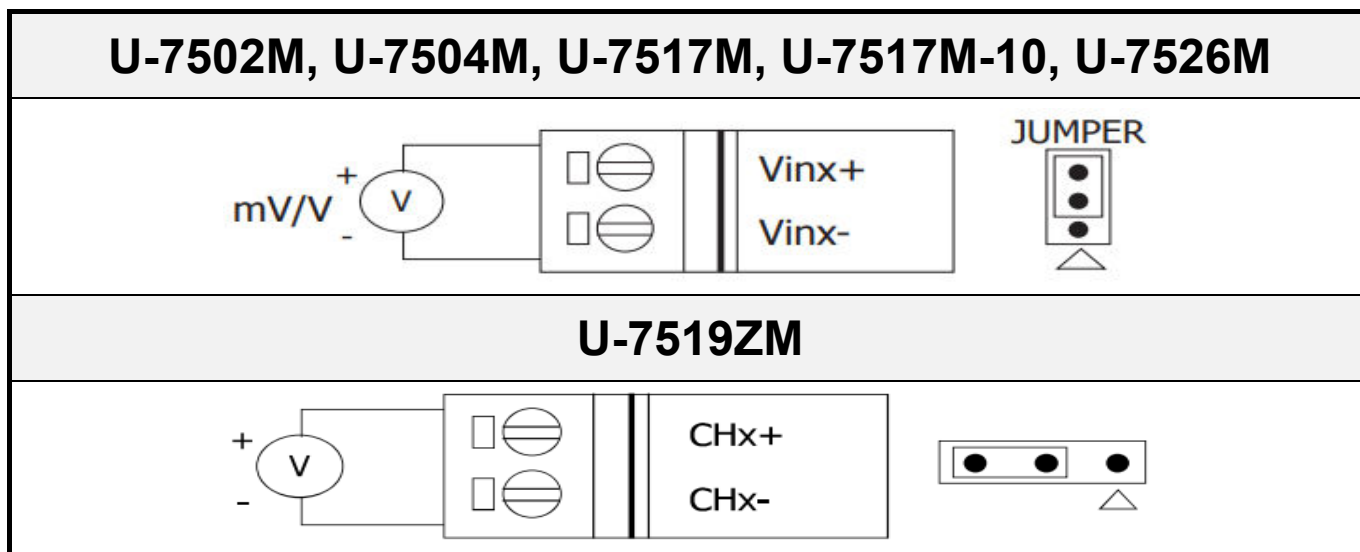
<b>U-7526M</b>								
Channel	Vout1	Vout0	Vin5	Vin4	Vin3	Vin2	Vin1	Vin0
Jumper	J8	J7	J6	J5	J4	J3	J2	J1

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

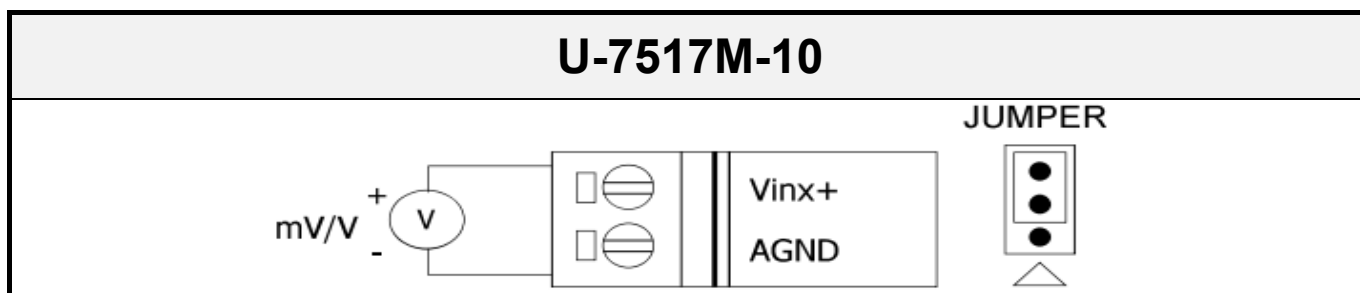
<b>U-7519ZM</b>										
Channel	CH0±	CH1±	CH2±	CH3±	CH4±	CH5±	CH6±	CH7±	CH8±	CH9±
Jumper	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10

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

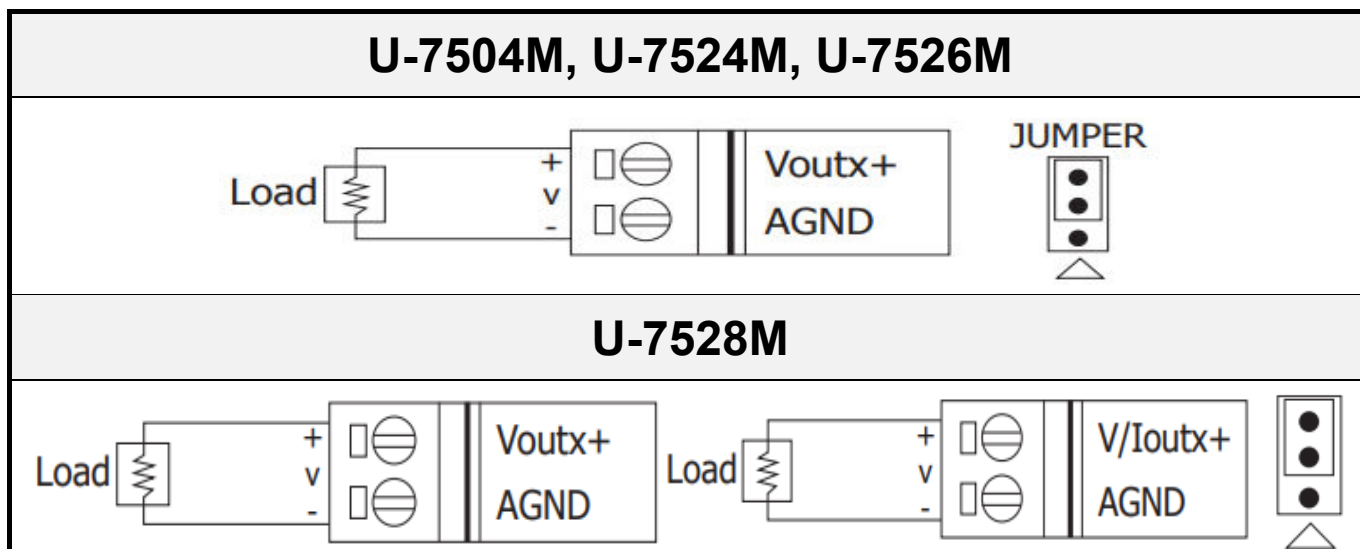
### Voltage Input Selection Jumper (Jumpers default: Voltage)



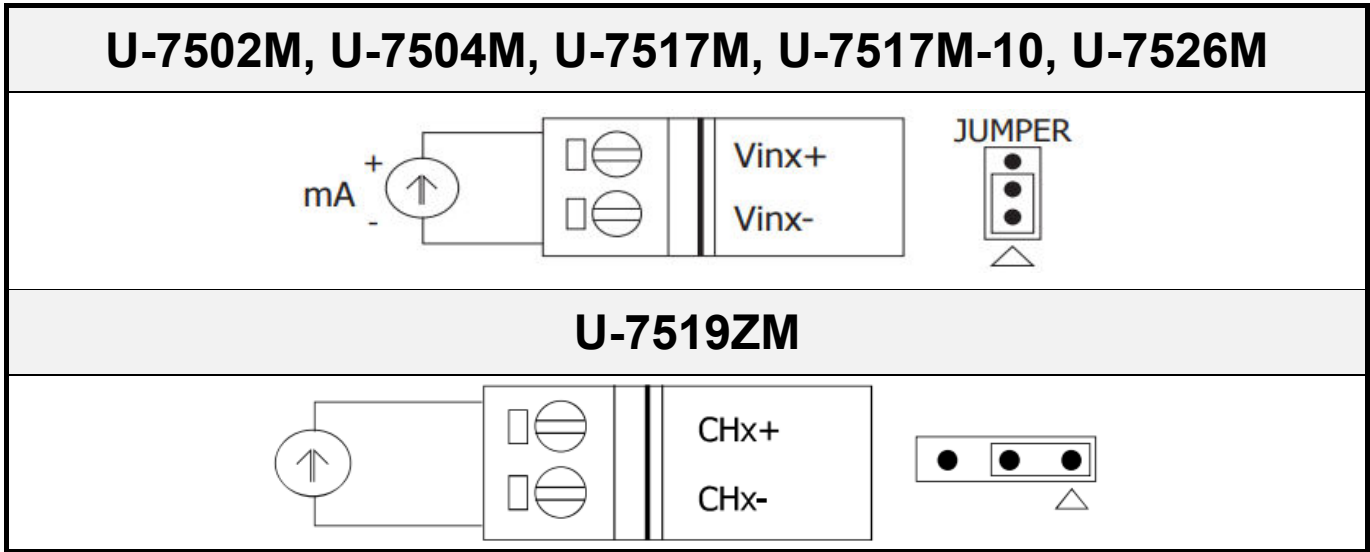
### Voltage Input (Single-ended Mode) Selection Jumper



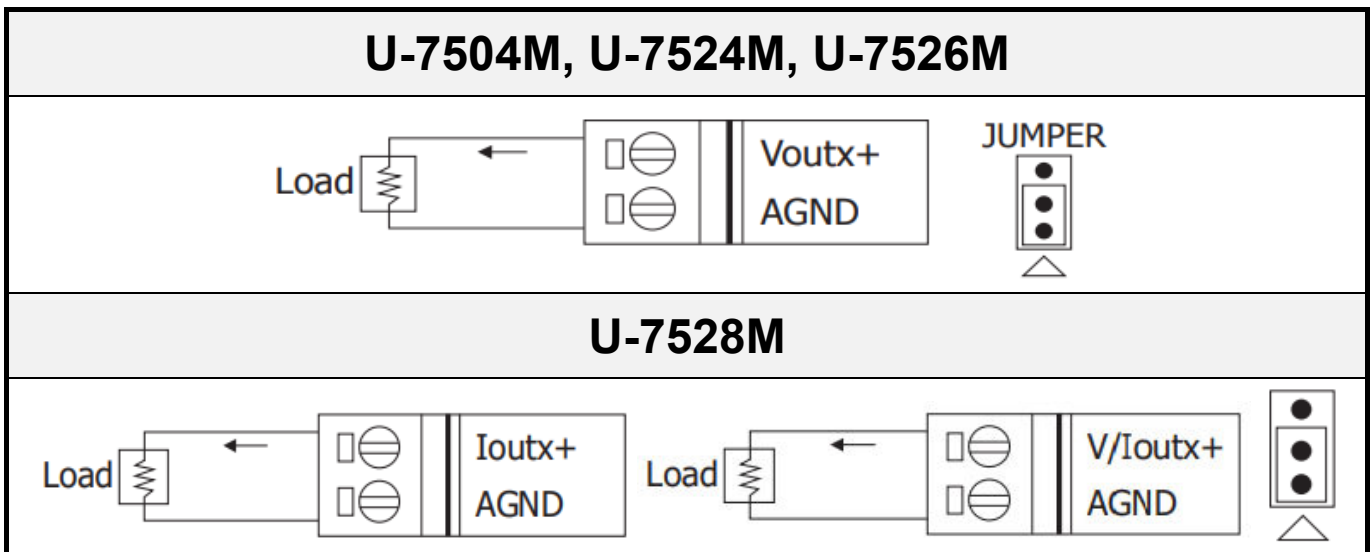
### Voltage Output Selection Jumper



## Current Input Selection Jumper



## Current Output Selection Jumper



## Thermocouple Input Selection Jumper

