Packing List

In addition to this guide, the package includes the following items:

or

(P)ET-2242U / (P)ET-2242U-32 X 1   Quick Start x1
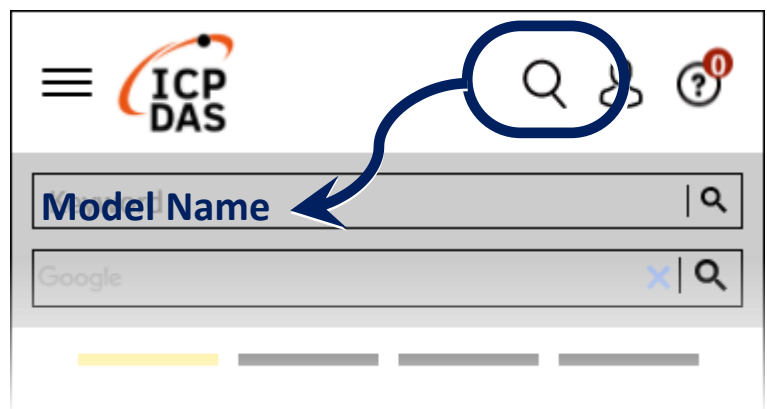
Technical Support

service@icpdas.com

www.icpdas.com

Resources

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

• For Mobile Web

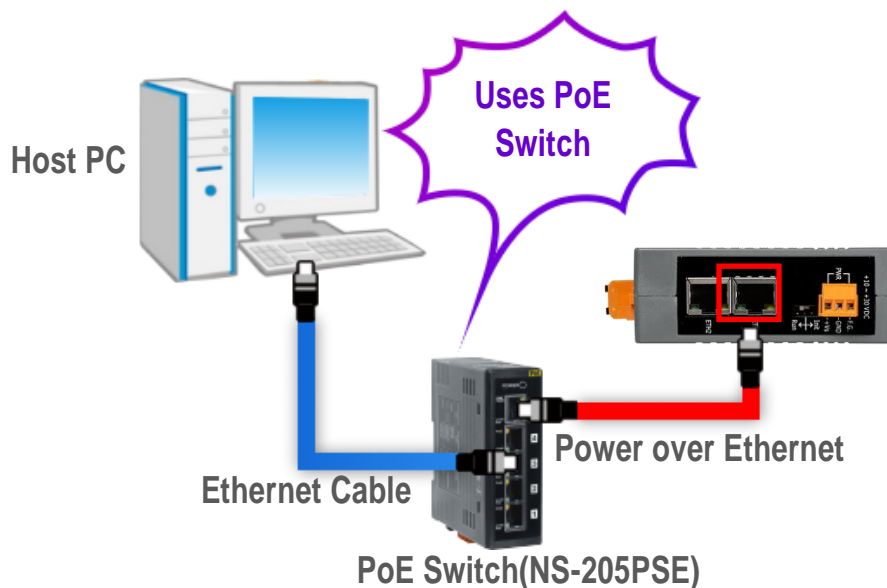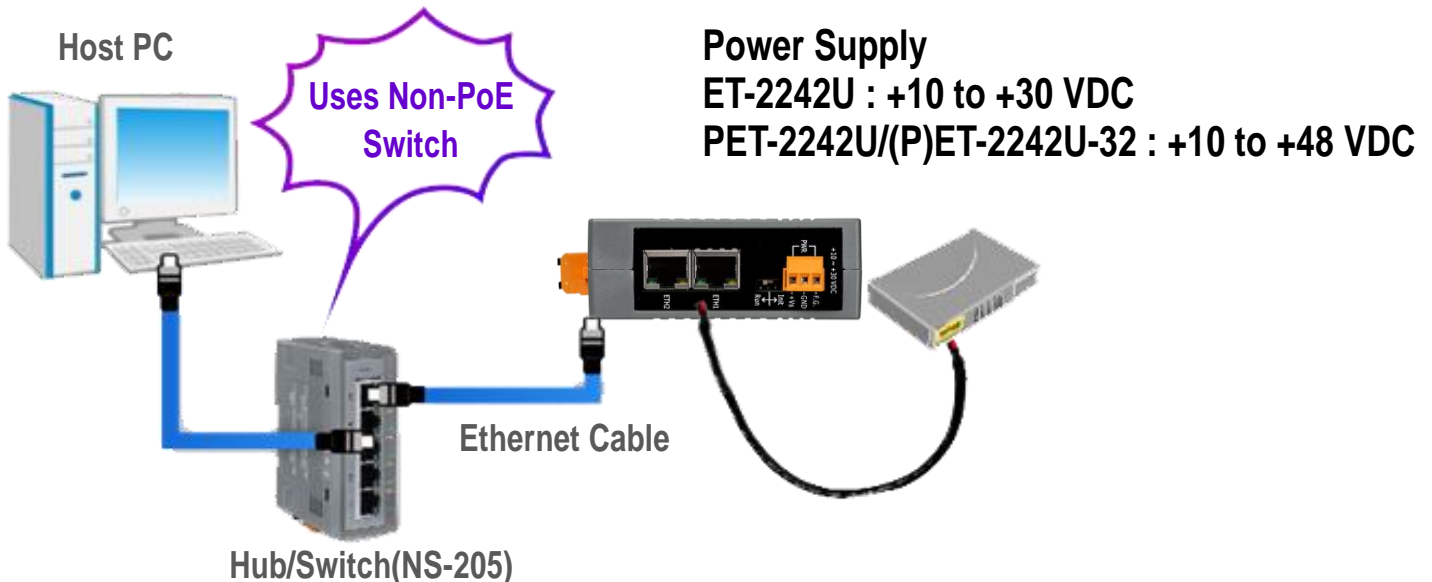• For Desktop Web

1 Connecting the Power and Host PC

1) **Make sure your PC has workable network settings.**

Disable or well configure your Windows firewall and Anti-Virus firewall first, else the **"Search Servers"** on **Chapter 3** may not work. (Please contact with your system Administrator)

2) **Connect both the (P)ET-2242U and your PC to the same sub network or the same Ethernet switch.**
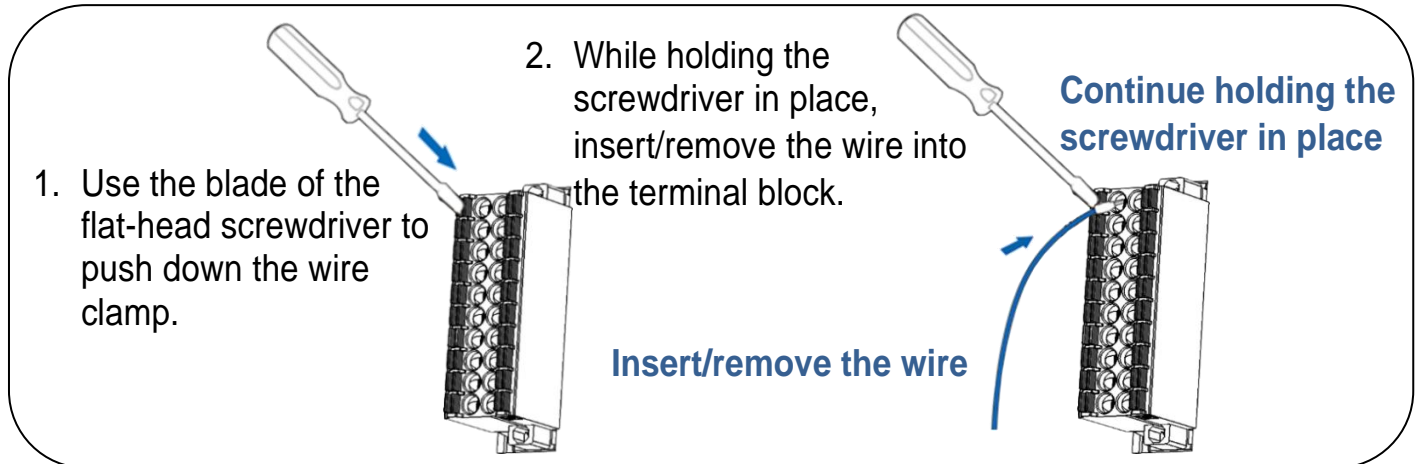
3) **Supply power** (PoE or +10 to +48 V_{DC}) **to the (P)ET-2242U.** 。

⚠ **Note: Please use the first RJ-45 jack (ETH1) to connect the PoE Switch for powering through PoE.The second RJ-45 jack (ETH2) doesn't support the PoE function.**
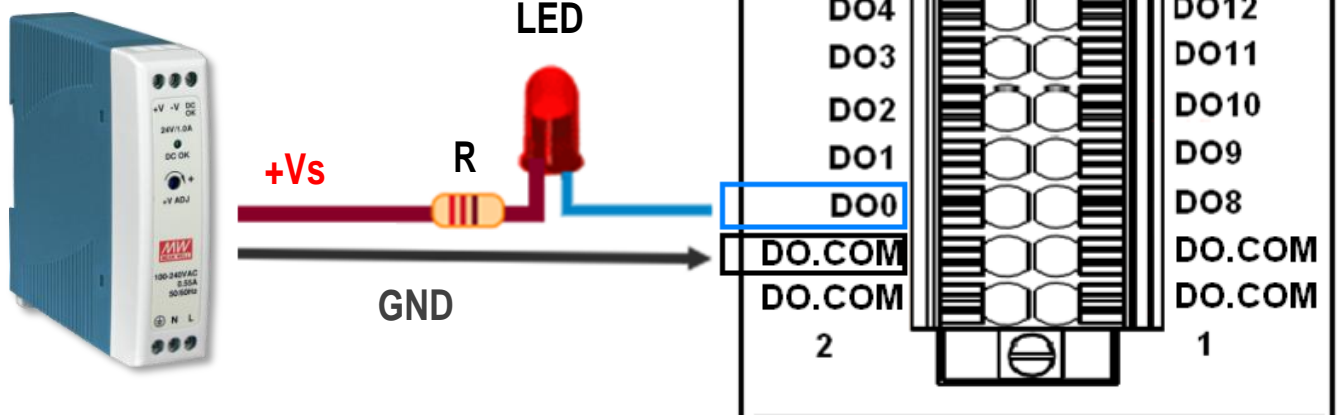
Host PC

Uses Non-PoE Switch

Power Supply
ET-2242U : +10 to +30 VDC
PET-2242U/(P)ET-2242U-32 : +10 to +48 VDC

Ethernet Cable

Hub/Switch(NS-205)

Uses PoE Switch

Host PC

Power over Ethernet

Ethernet Cable

PoE Switch(NS-205PSE)

2 Wiring the DI and DO for Self-test

➢ **A tip for insert/remove the wire to the connector.**

1. Use the blade of the flat-head screwdriver to push down the wire clamp.

2. While holding the screwdriver in place, insert/remove the wire into the terminal block.

Insert/remove the wire

Continue holding the screwdriver in place

1) Connect a **LED** to the **DO0**.

2) Connect the **External Power +24V** to the **LED**.

3) Connect the **External Power GND** to the **DO.COM**.

Power Supply
(e.g.: MDR-20-24)

LED

+Vs

R

GND

20			19
DO7			DO15
DO6			DO14
DO5			DO13
DO4			DO12
DO3			DO11
DO2			DO10
DO1			DO9
DO0			DO8
DO.COM			DO.COM
DO.COM			DO.COM
2			1

3   Configuring Network Settings

1) Run the eSearch Utility.

eSearch Utility download link:

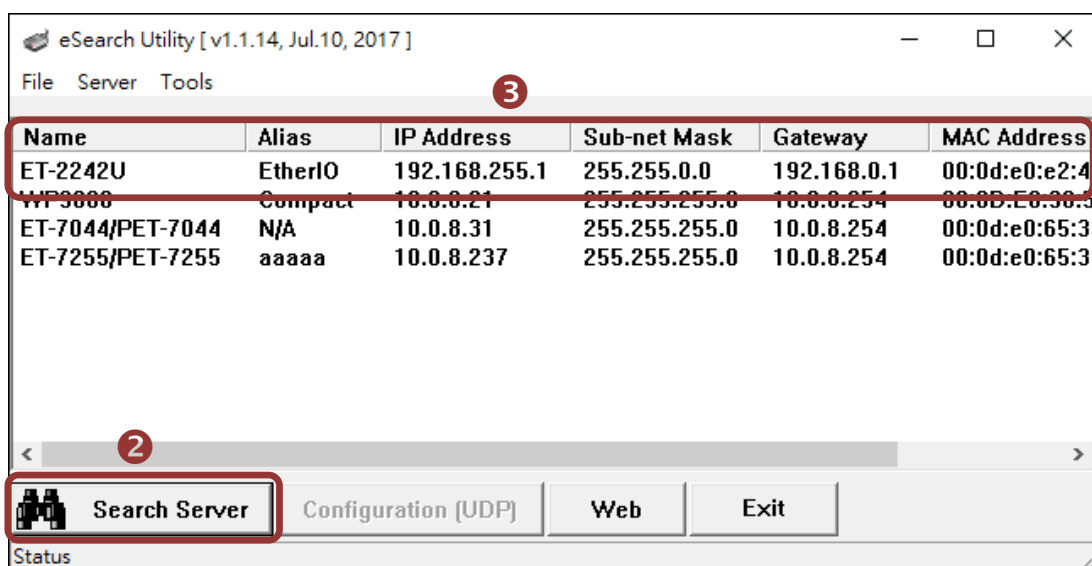https://www.icpdas.com/en/download/index.php?nation=US&kind1=&model=&kw=esearch

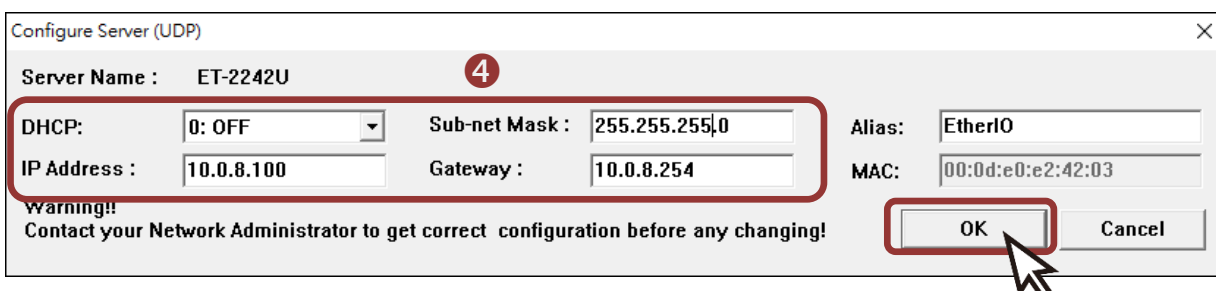**2)** Click the **"Search Servers"** to search your (P)ET-2242U.

3) Double-click your (P)ET-2242U to configure the settings.

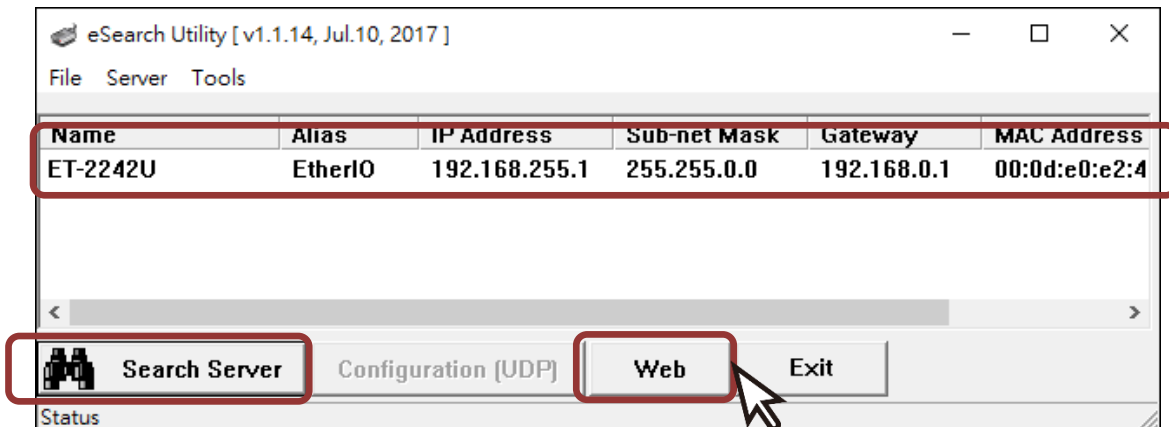**Factory Default Settings of (P)ET-2242U:**

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

4) Contact your Network Administrator to obtain a correct network configuration (such as **IP/Mask/Gateway**). **Enter the network settings and click "OK".** ⚠ **Note: The (P)ET-2242U will use the new settings 2 seconds later.**

4 Testing your Ethernet I/O Module

1) Click "Search Servers" button again to ensure the (P)ET-2242U is working well with new configuration, than click the name of (P)ET-2242U to select it. 。

2) Click the "Web" button to log in to the web configuration pages.(Or enter the URL address of the (P)ET-2242U in the address bar of the browser.)

3) For the first time using the module, you have to change the password and click the "Submit" button.

Authentication	Defaults
Password	Admin

4) Enter the new password in the "Login password" field and click the "Submit "button.

5) The "Home" page allows for a simple test to verify the Digital Output functionality.

6) In the "Digital I/O" section, click the "DO0" button to turn it ON (Red).

7) Verify that the output LED status is "ON".