(P)ET-2255 Series Quick Start

v1.3, May 2023

Packing List

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





(P)ET-2255 / (P)ET-2255-32 X 1



Quick Start x1

Technical Support

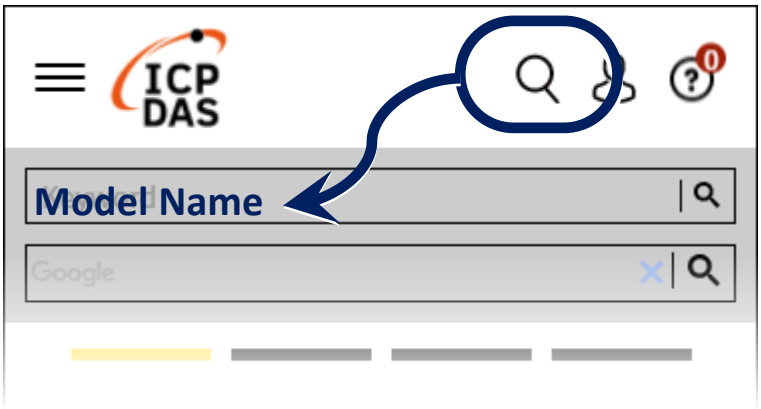
service@icpdas.com

www.icpdas.com

Resources

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

- For Mobile Web



- For Desktop Web

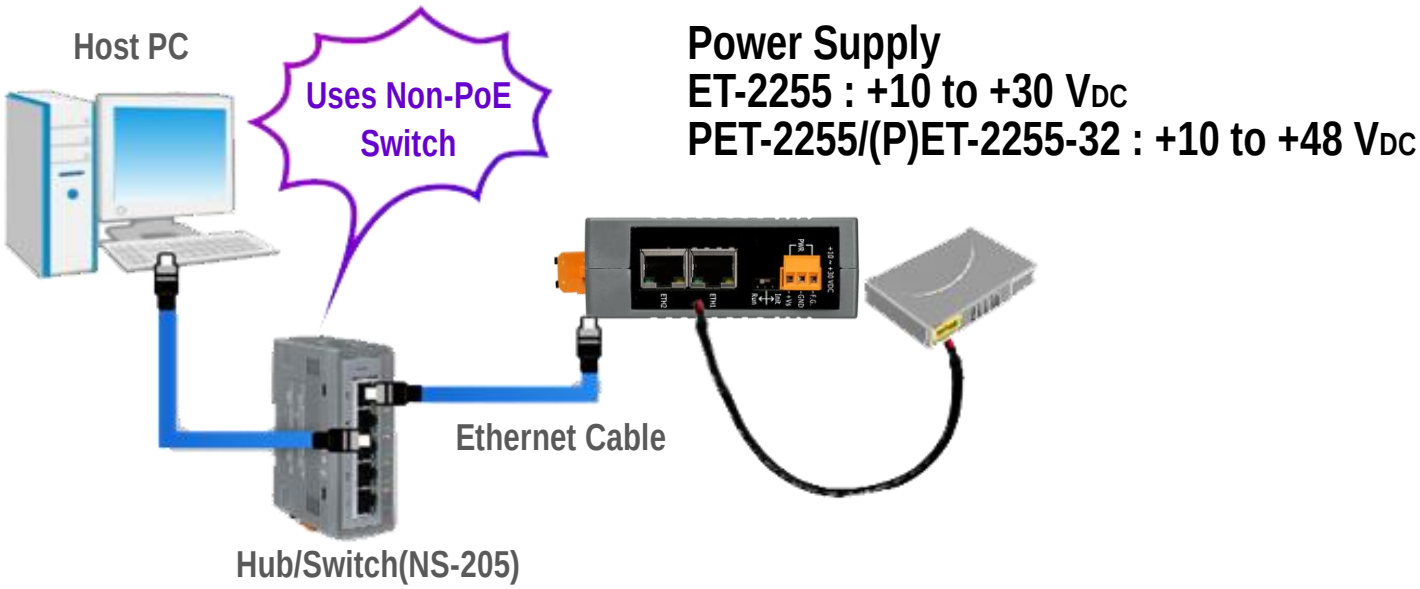


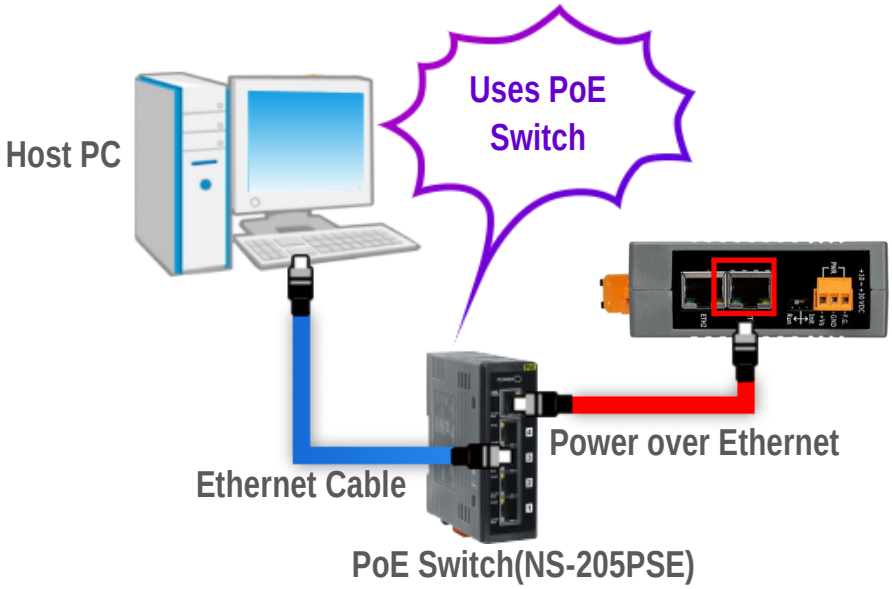
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1 Connecting the Power and Host PC

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-2255 and your PC to the same sub network or the same Ethernet switch.**
3) **Supply power** (PoE or +10 to +48 VDC) **to the (P)ET-2255.** ◦

⚠ **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.**

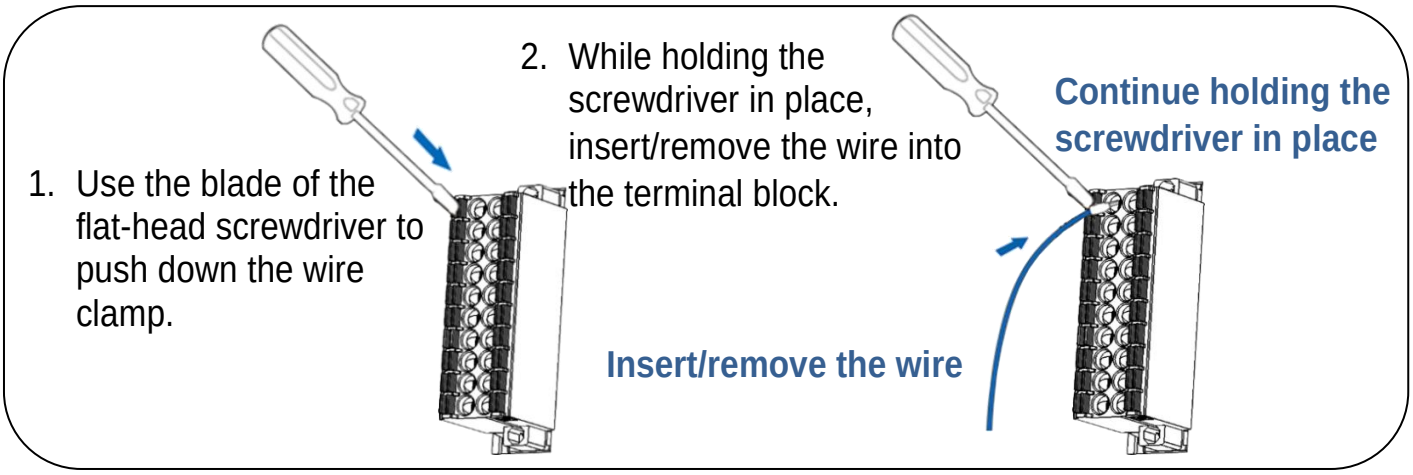




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2 Wiring the DI and DO for Self-test

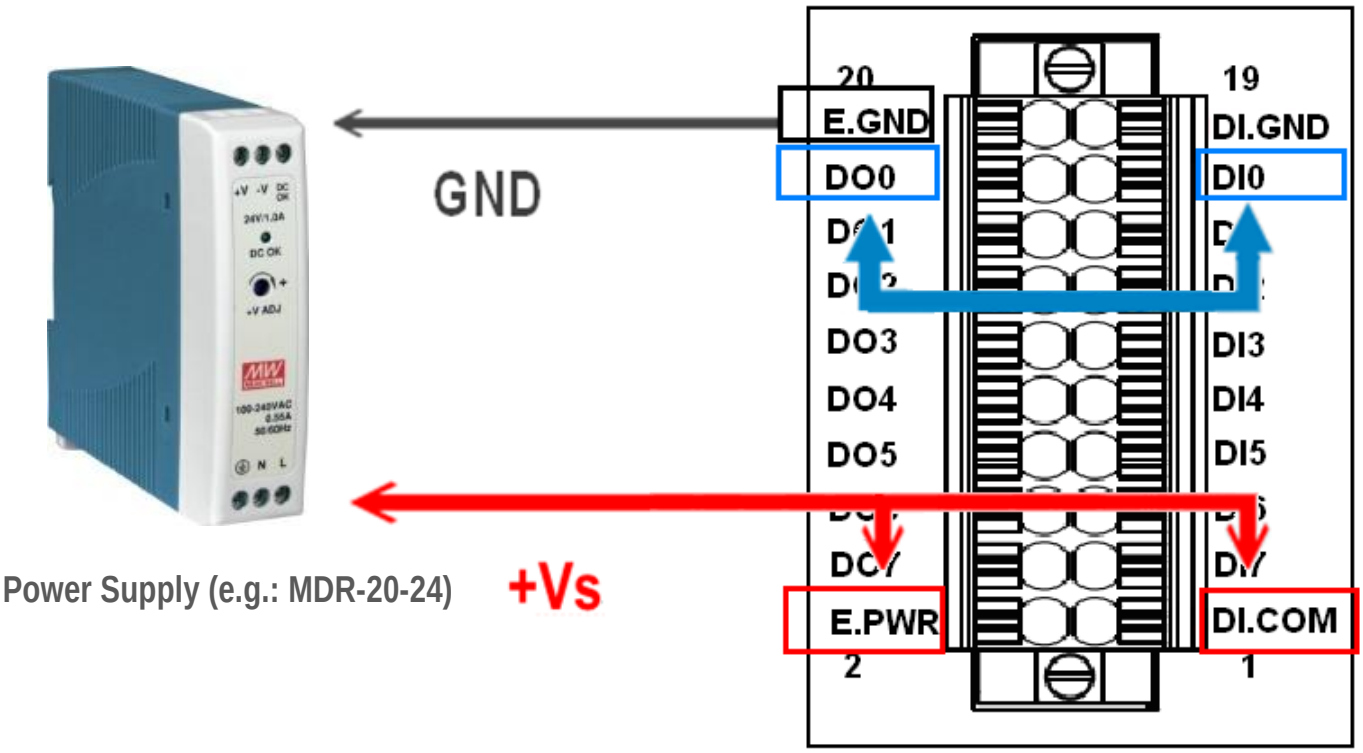
➢ **A tip for insert/remove the wire to the connector.**



1) Connect the **DI0** to the **DO0**.

2) Connect the **External Power +24V** to the **DI.COM** 及 **E.PWR**

3) Connect the **External Power GND** to the **E.GND**



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3 Configuring Network Setting



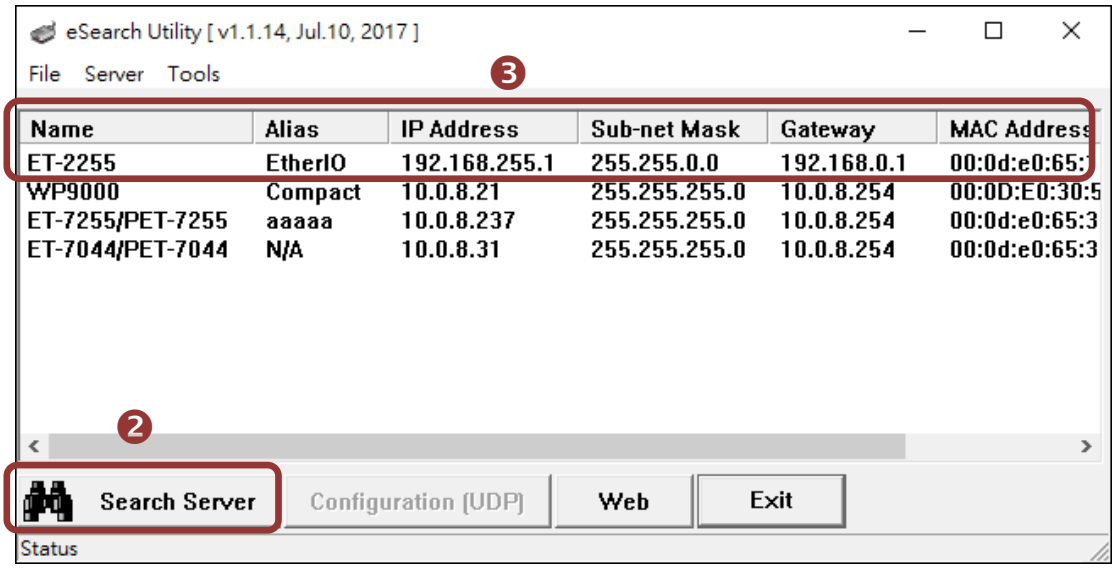
1) Run the eSearch Utility.

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-2255.

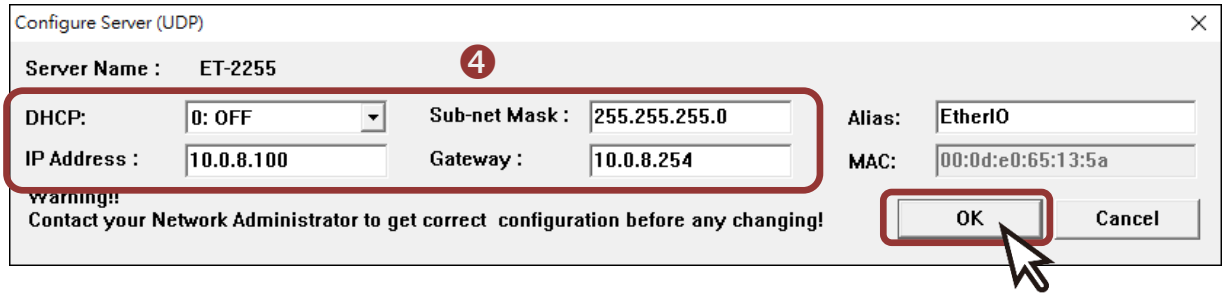
3) Double-click your (P)ET-2255 to configure the settings.



Factory Default Settings of (P)ET-2255:

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-2255 will use the new settings 2 seconds later.**

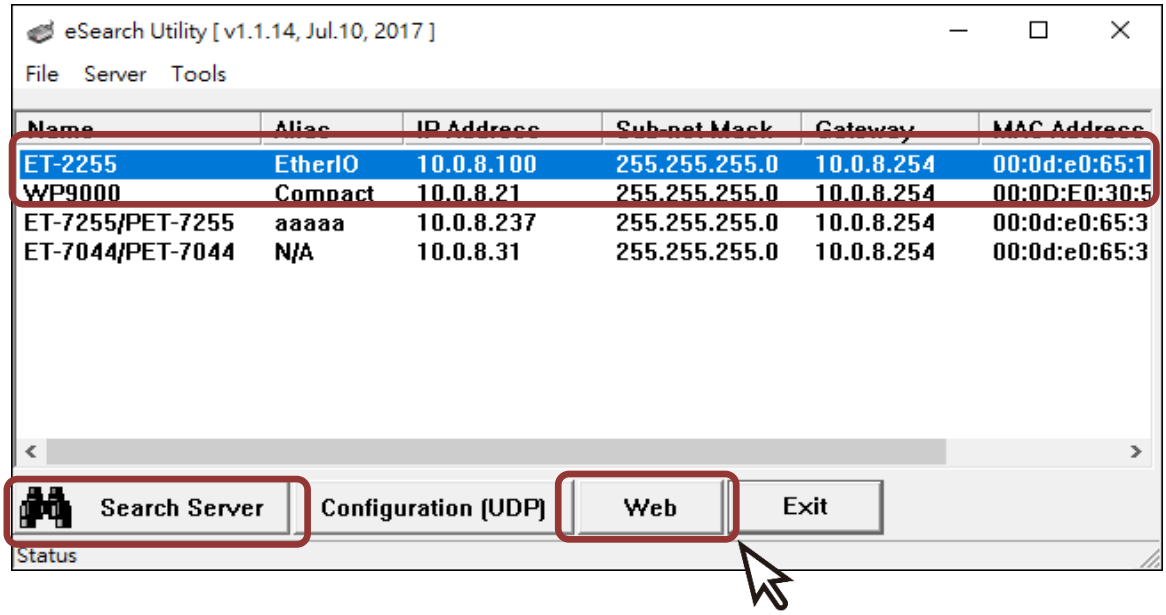


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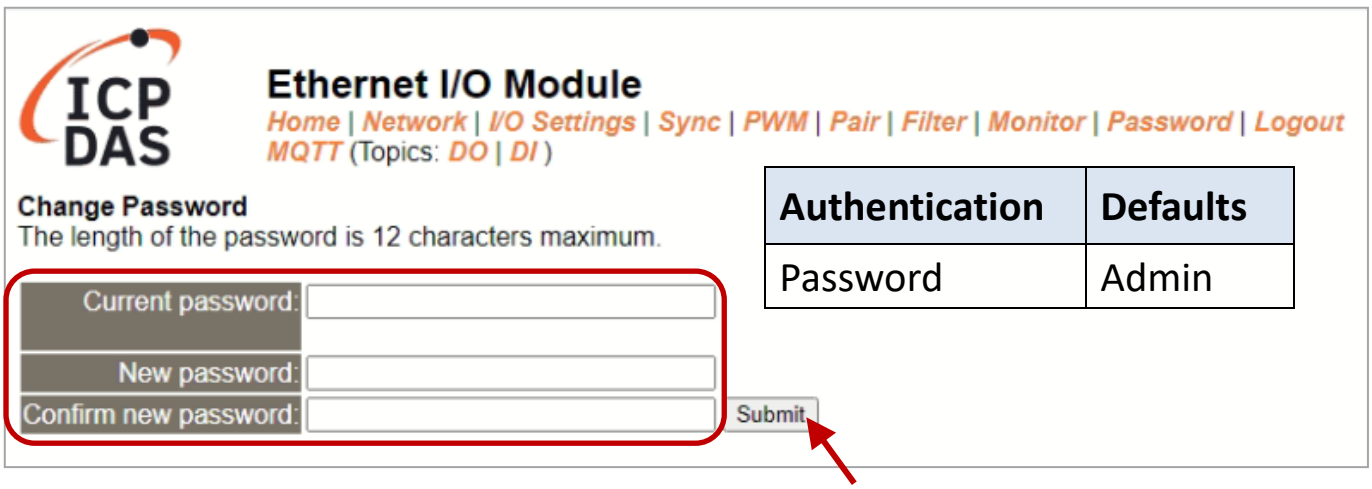
4 Testing your Ethernet I/O Module

1) Click “Search Servers” button again to ensure the (P)ET-2255 is working well with new configuration, than click the name of (P)ET-2255 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-2255 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.



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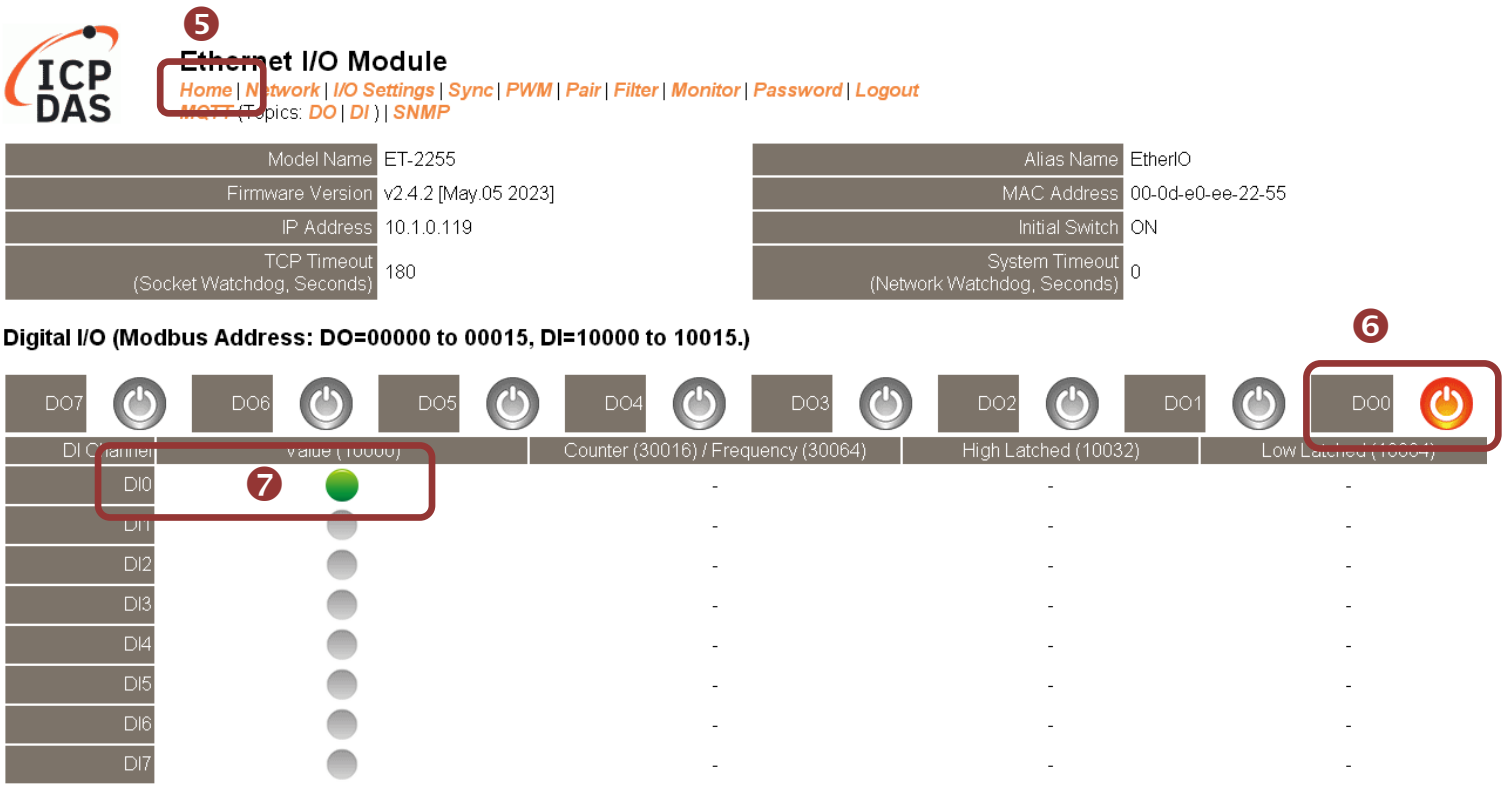
4) Enter the new password in the “Login password” field and click the “Submit” button.



5) The “Home” page allows for a simple test to verify the Digital Input and Output functionality.

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

7) Verify that the DI0 status is ON(green).



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