EMP-2848M Quick Start

v1.0, Jul 2022

Packing List

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



EMP-2848M



Screw Driver



Pin Terminal * 16

Technical Support

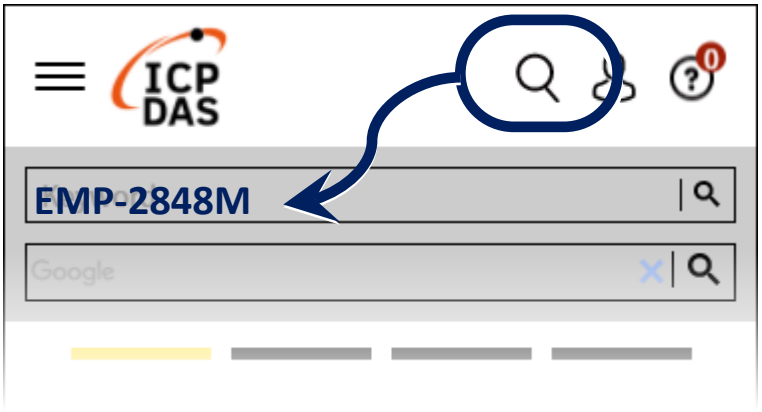
service@icpdas.com

www.icpdas.com

Resources

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

- For Mobile Web



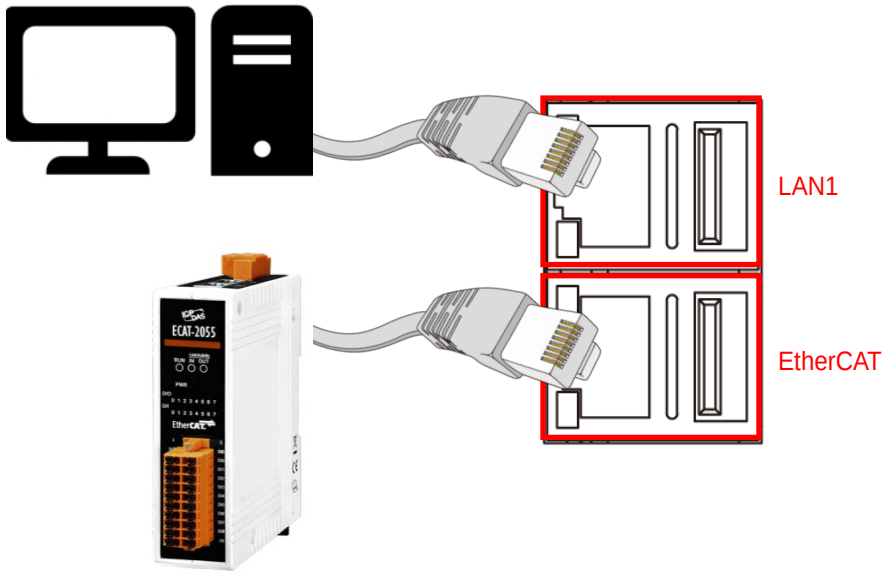
- For Desktop Web



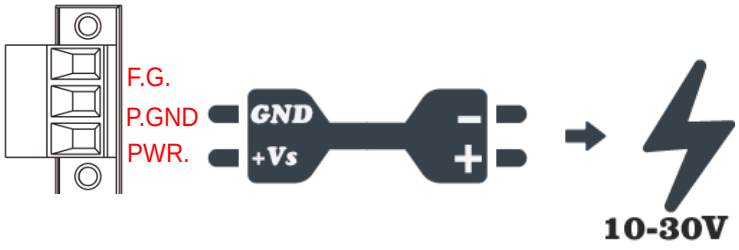
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1 Connect to PC, EtherCAT Slave and Power

1) Connect the PC to the LAN1 port on EMP-2848M module.
   Connect the EtherCAT slave (ECAT-2055) to the EtherCAT port on EMP-2848M module.



2) Connect the **PWR.** pin to positive terminal on a **+10 - +30 V_{DC}** power supply, and connect the **P.GND** pin to the negative terminal.



2 Login to the website

1) Change PC's IP setting to be in the same network with EMP-2848M.
   Ex:

IP	192.168.255.10
Subnet mask	255.255.0.0
Gateway address	192.168.1.1

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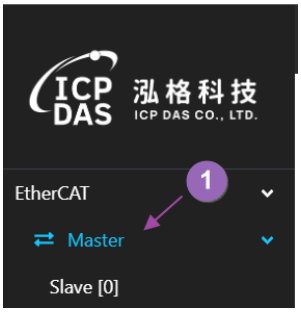
2) Open a PC side browser. Type http://192.168.255.1 in the URL address. Use default username/password admin/admin to login the website. You must change your password when you first login.



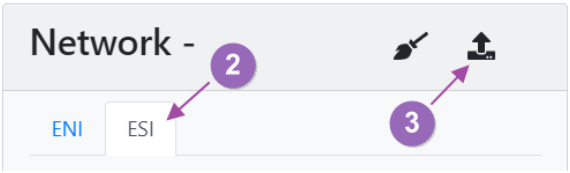
3 Control the EtherCAT slave

1) Upload slave module ESI file.

(1) Click on the EtherCAT->Master node

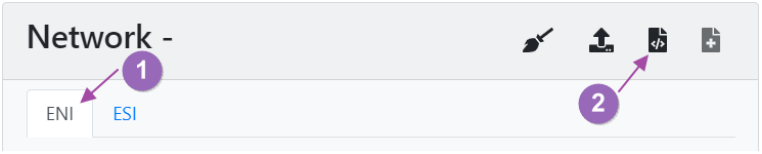


(2) Click the Network->ESI tab
(3) Click the upload button

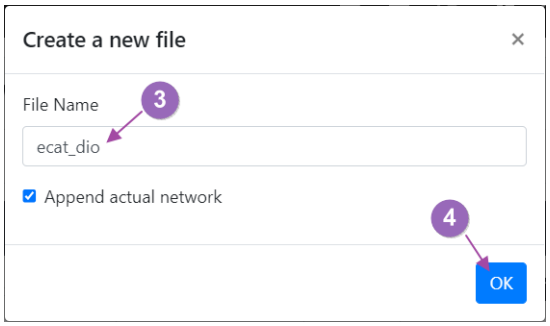


2) Create ENI file.

(1) Click the Network->ESI tab
(2) Click the create ENI button



(3) Enter the file name in the new file dialog
(4) Click the OK button



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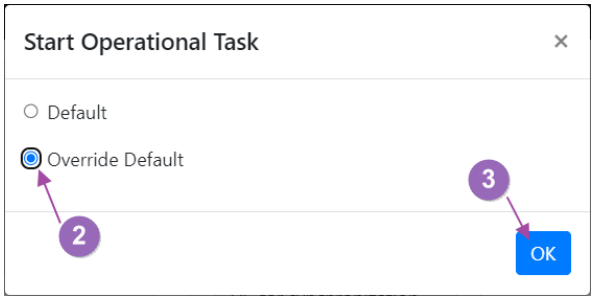
3) Start the EtherCAT operation task.

(1) Click the Start EtherCAT operation task button in the toolbar



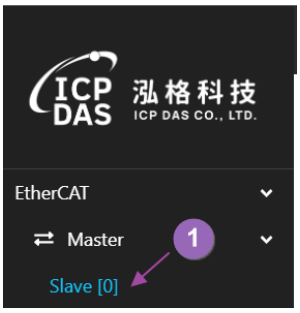
(2) Select the Override Default option in the operation task dialog

(3) Click the OK button



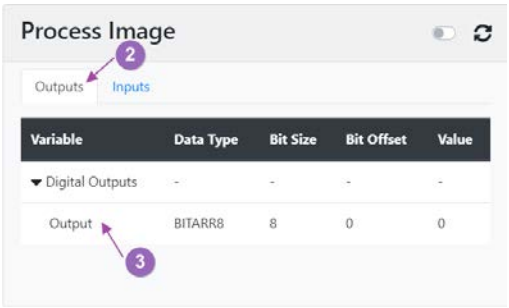
4) Control slave module。

(1) Click on the EtherCAT->Slave node



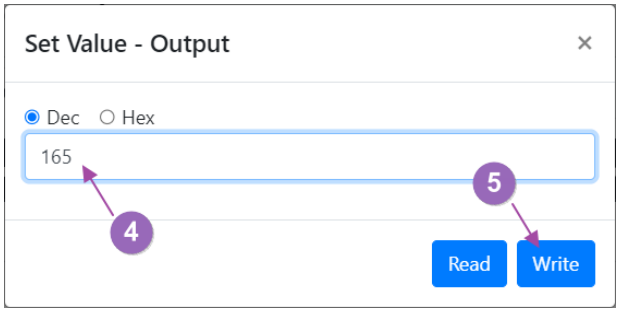
(2) Click the Process Image->Outputs tab

(3) Double-click the Output variable. The Read/Write dialog appears.

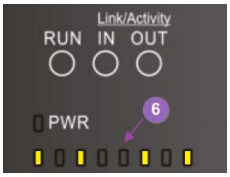


(4) Enter a value of 165

(5) Click the Write button



(6) Make sure the ECAT-2055 front panel I/O indicator 0,2,5,7 is On



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