

EC2-P16C16 series Quick Start

v1.0, Mar. 2023

Packing List

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



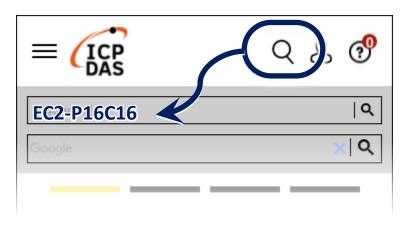
Technical Support

service@icpdas.com www.icpdas.com

Resources

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

• For Mobile Web



• For Desktop Web



Related Information

For more detailed information related to the manual, hardware manual:

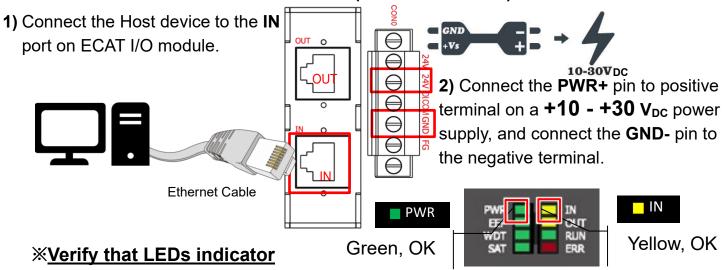
http://www.icpdas.com/en/download/index.php?model=EC2-P16C16

Connecting the Power and Host

Switch on module and connect it to an EtherCAT network

NOTE:

Attaching an ESC directly to an office network will result in network flooding, since the ESC will reflect any frame – especially broadcast frames - back into the network (broadcast storm).



Search Modules

Download and Unzip file to get ESI file

The latest ESI file (ECx-DIO....xml) can be downloaded from website at



Unzip the "ECx-DIO....zip" to get the "ECx-DIO....xml" ESI file(XML format)

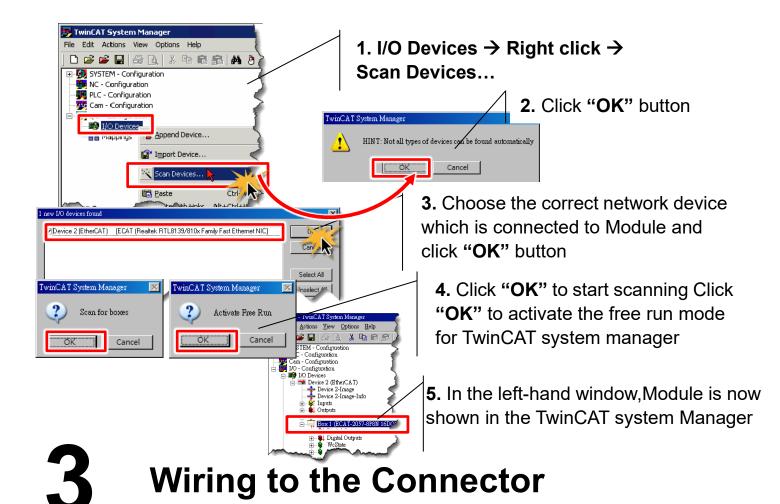
Install the ESI file

Copy the "ECx-DIO....xml" file to the Master Tools installation folder, as indicated in the table below.

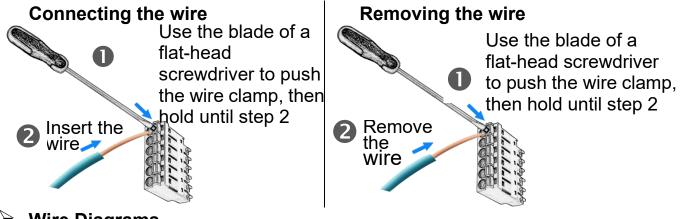
Software	Default Path
Beckhoff EtherCAT Configuration	C:\EtherCAT Configurator\EtherCAT
Beckhoff TwinCAT 3.X	C:\TwinCAT\3.x\Config\lo\EtherCAT
Beckhoff TwinCAT 2.X	C:\TwinCAT\Io\EtherCAT

Run the EtherCAT Master software (Beckhoff TwinCAT 2.X)

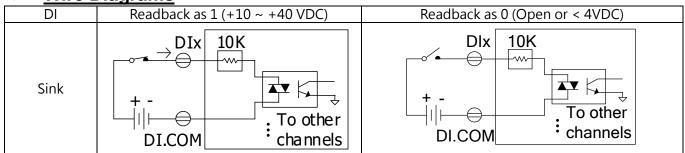
Switch on power and execute the TwinCAT System Manager (Config mode)

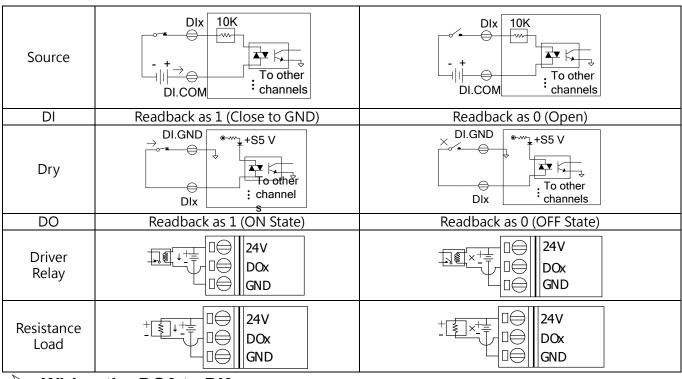


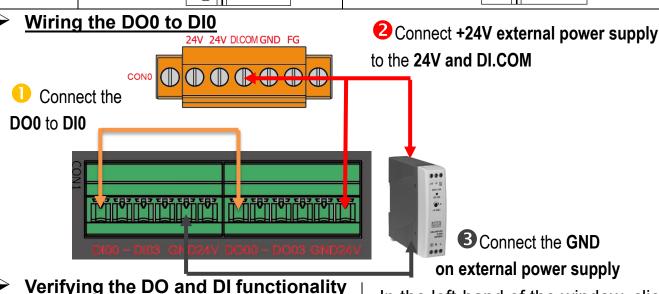
Wiring Tip











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Device 2-Image
Device 2-Image-Info I/O Devices

☐ ➡ Device 2 (EtherCAT) Device 2-image-inaction for the property of th <u>W</u>rite... OK Cancel 1 Binary 嬕 New.tsm - TwinCAT System Manage <u>File Edit Actions View Options Help</u> M 3 🚇 🙃 🗸 💣 🕏 Device 2 (EtherCAT)

Device 2-Image
Device 2-Image
Device 2-Image
Device 2-Image-Inft

Info
Info
Device 2-Image-Inft

Info Variable Flags Online

New Value

Comment

In the left-hand of the window, click on the DO0.In the right-hand of the windows, click the online. Click Write. Click 1 (Configure DO0).

In the left-hand of the window, click DI0. In the right-hand of the windows, click the online. Check Value is 1.