

# EC4-C16 series Quick Start

v1.0, Nov. 2024

### **Packing List**

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



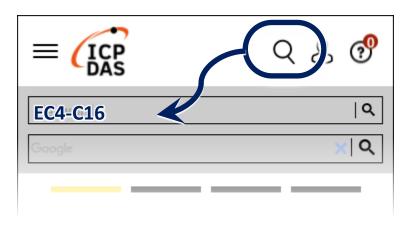
## **Technical Support**

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=EC4-C16

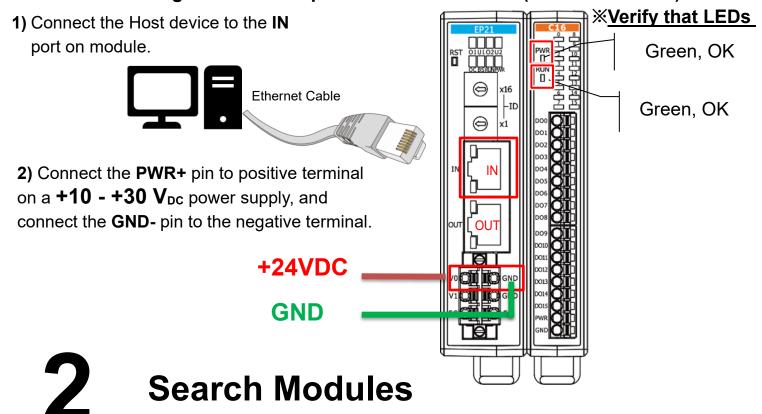
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# **Connecting the Power and Host**

#### **<u>\*\*Switch on module and connect it to an EtherCAT network</u>**

# NOTE:

It is recommended to use a dedicated network card and avoid connecting to network to prevent network storms(broadcast storm).



### **Download and Unzip file to get ESI file**

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

EC4-IO ESI XML.zip

Unzip the "ECx-IO....zip" to get the "EC4-IO....xml" ESI file(XML format)

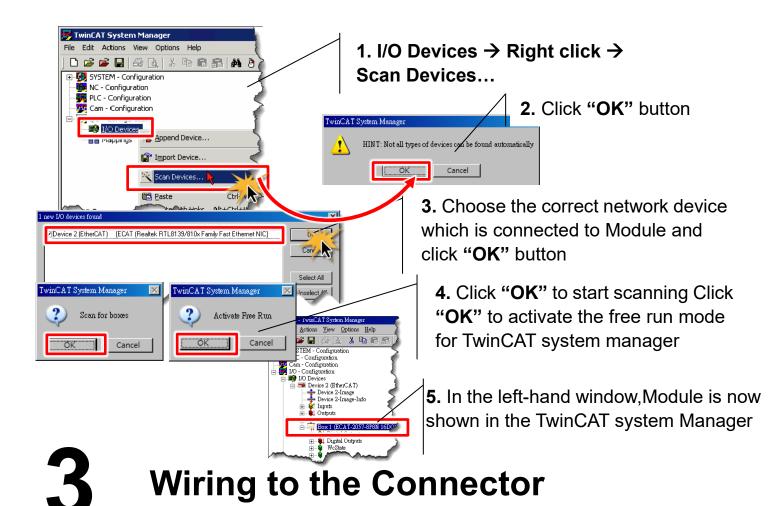
### **Install the ESI file**

Copy the "**EC4-IO....xml**" file to the Master Tools installation folder, as indicated in the table below.

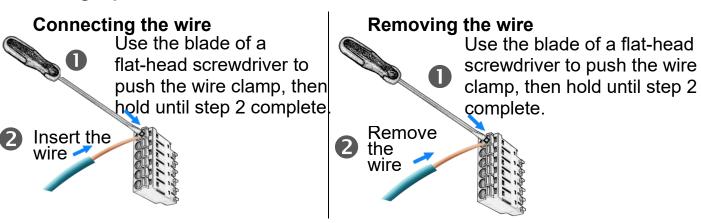
Software	Default Path
Beckhoff EtherCAT Configuration	C:\EtherCAT Configurator\EtherCAT
Beckhoff TwinCAT 3.X  C:\TwinCAT\3.x\Config\lo\EtherCAT	
Beckhoff TwinCAT 2.X	C:\TwinCAT\Io\EtherCAT

### Run the EtherCAT Main software (Beckhoff TwinCAT 2.X)

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



### Wiring Tip



#### Wire Diagrams

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DO	Readback as 1 (ON State)	Readback as 0 (OFF State)
Driver Relay	PWR DOx GND	PWR DOx GND
Resistance Load	PWR DOX GND	PWR DOx GND

