

Quick Start
for ECAT-2061

English / Jan.2017/ Ver 1.0

1 Shipping Package

This shipping package contains the following items

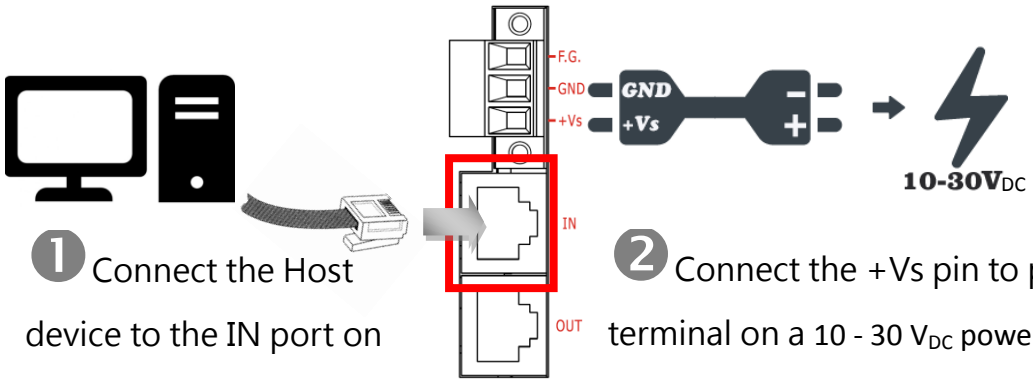
1 x ECAT-2000 module



1 x Quick Start Guide (This Document)

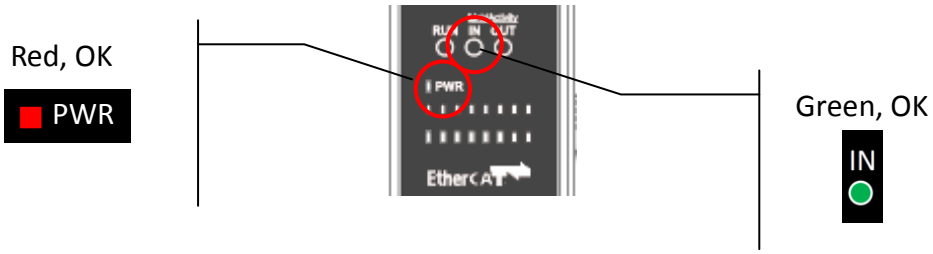
2 Connecting the Power and Host device

Switch on module and connect it to an EtherCAT network



❶ Connect the Host device to the IN port on ECAT-2000 module.

❷ Connect the +Vs pin to positive terminal on a 10 - 30 V_{DC} power supply, and connect the GND pin to the negative terminal.



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3 Search Modules

ESI file

The latest ESI file (ICPDAS ECAT-2000.xml) can be downloaded from ICP DAS website at

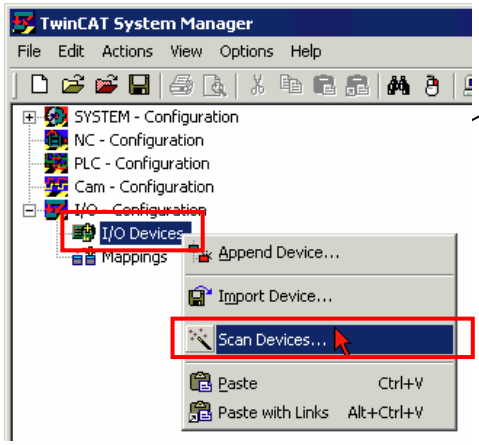
http://ftp.icpdas.com/pub/cd/fieldbus_cd/ethercat/slave/ecat-2000/software/

Install the ESI file

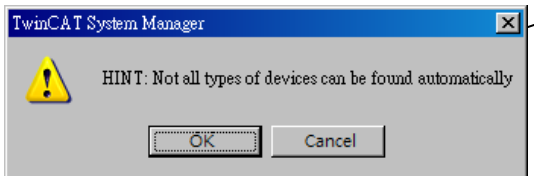
Copy the “ICPDAS ECAT-2000.xml” file to the Master Tools installation folder, as indicated in the table below.

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

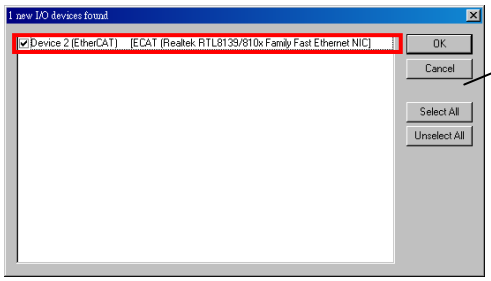
Run the EtherCAT Master software (Beckhoff TwinCAT 2.X)



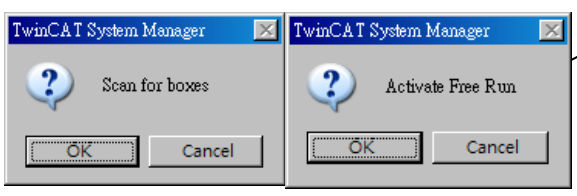
Switch on power
Execute the TwinCAT System Manager(Config mode)
I/O Devices-> Right click-> Scan Devices…



Click OK



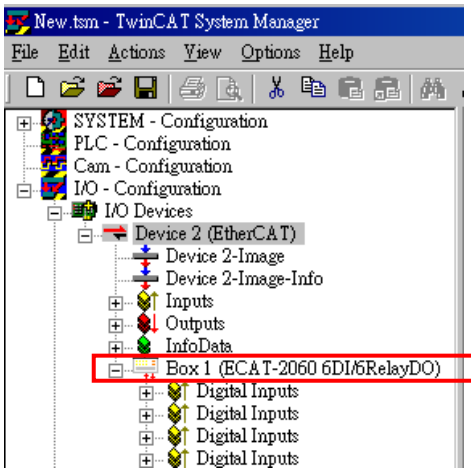
Choose the correct network device which is connected to ECAT-2000



Click Yes to start scanning and click Yes to activate the free run mode for TwinCAT system manager

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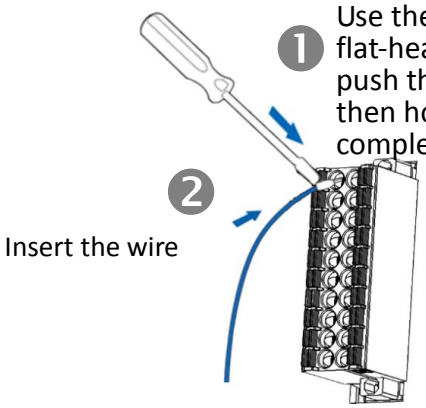


ECAT-2000 is now shown in the TwinCAT system Manager

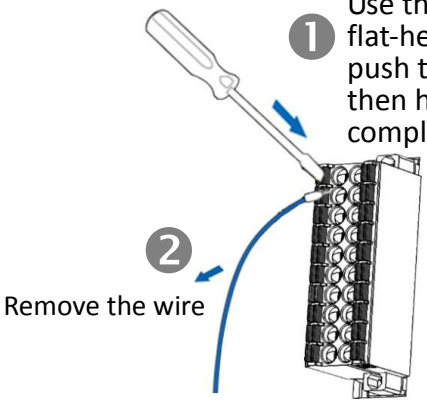
4 Wiring to the connector

Wiring Tip

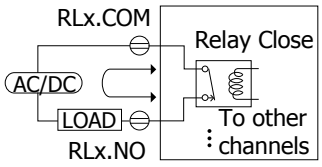
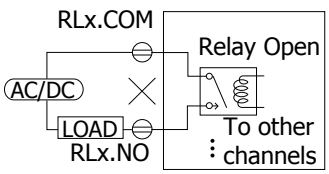
Connection the wire



Removing the wire



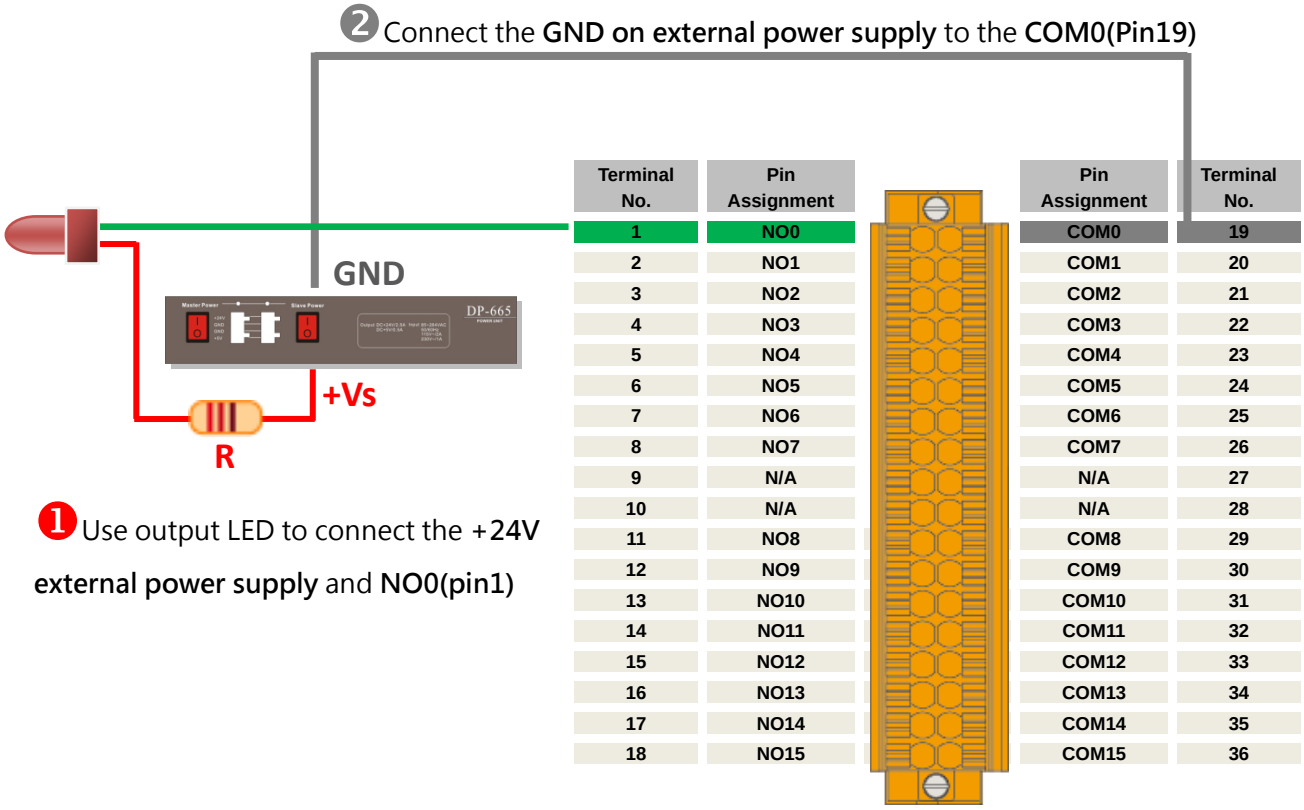
Wire Diagrams

Output Type	Readback as 1 (ON State)	Readback as 0 (OFF State)
Relay Output		

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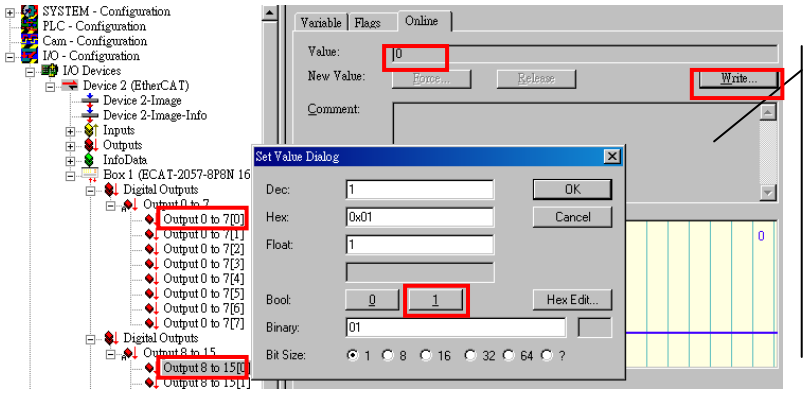
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Wiring the DO0



Terminal No.	Pin Assignment	Pin Assignment	Terminal No.
1	NO0	COM0	19
2	NO1	COM1	20
3	NO2	COM2	21
4	NO3	COM3	22
5	NO4	COM4	23
6	NO5	COM5	24
7	NO6	COM6	25
8	NO7	COM7	26
9	N/A	N/A	27
10	N/A	N/A	28
11	NO8	COM8	29
12	NO9	COM9	30
13	NO10	COM10	31
14	NO11	COM11	32
15	NO12	COM12	33
16	NO13	COM13	34
17	NO14	COM14	35
18	NO15	COM15	36

Verifying the DO functionality



In the left-hand of the window, click on the Output 0 to 15, then click Output 0 to 15[0].
In the right-hand of the windows, click the online.
Click Write.
Click 1 (Configure DO0 to Logic1).



LED is lighting.

Related Information

Product Page:
http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/ethercat/io_module/ecat-2061.html
Documentation:
ftp://ftp.icpdas.com/pub/cd/fieldbus_cd/ethercat/slave/ecat-2000/
ESI file:
http://ftp.icpdas.com/pub/cd/fieldbus_cd/ethercat/slave/ecat-2000/software/
DP-665(Optional) Product Page:
http://www.icpdas.com/products/Accessories/power_supply/dp-665.htm

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