

ECAT-2610 Quick Start

v1.1, Nov. 2018

What's in the box?

The package includes the following items:



ECAT-2610 Module x 1



Quick Start x1 (This Document)



CA-0915 Cable x1

Related Information

For detailed information about the **how to configure and operation Modbus RTU slave device**, refer to **Chapter 4 "Modbus RTU Device Setup"** in the User Manual.

- EtherCAT Series Product Page:

http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/ethercat/ethercat_selection_guide.html

- Documentation & Software:

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

- KA-52FSeries Product Page (optional):

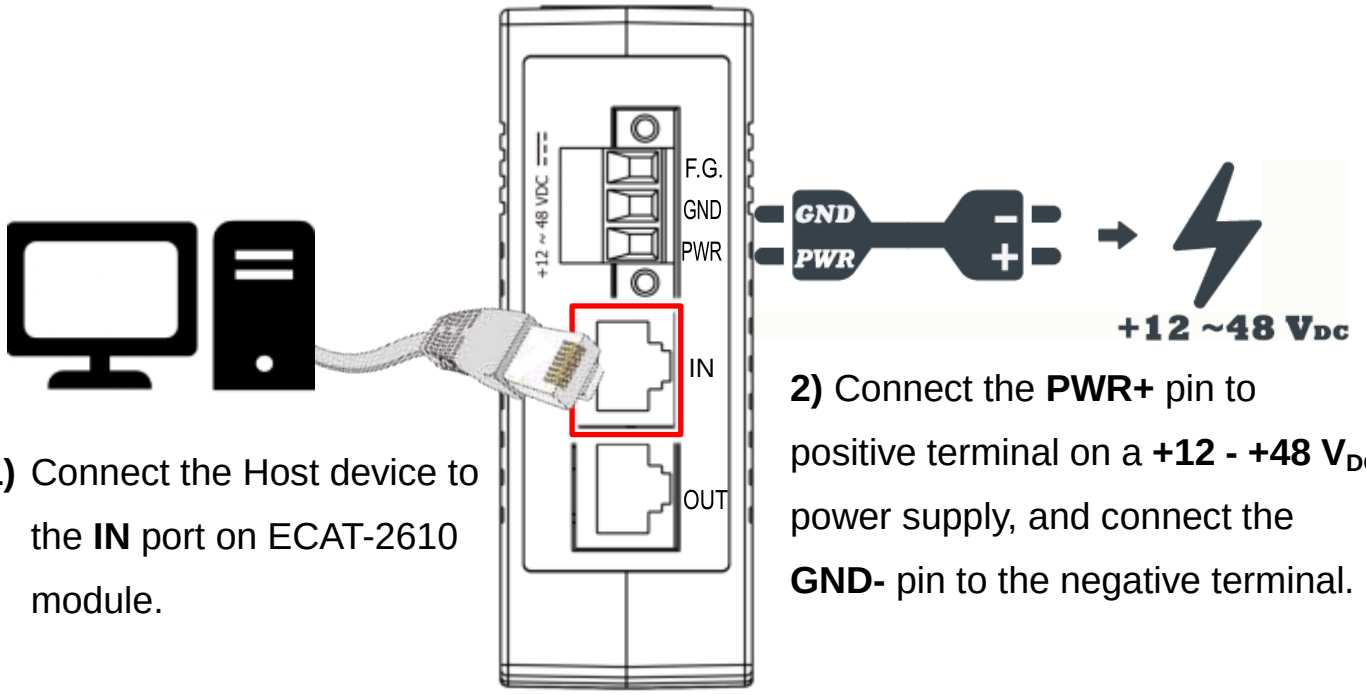
http://www.icpdas.com/root/product/solutions/accessories/power_supply/ka52f-48.html

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

1 Connecting the Power and Host PC

Switch on module and connect it to an EtherCAT network

Top Panel



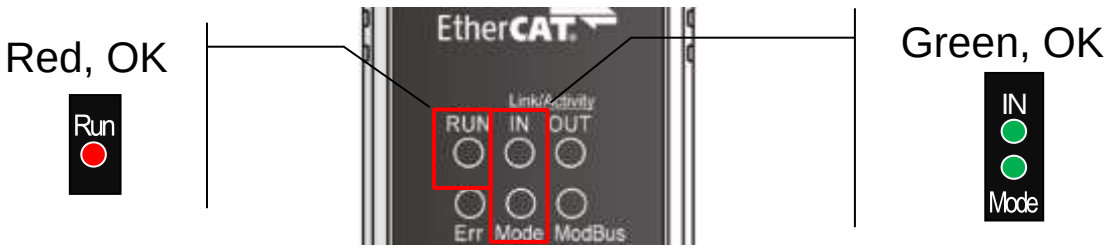
1) Connect the Host device to the **IN** port on ECAT-2610 module.

2) Connect the **PWR+** pin to positive terminal on a **+12 - +48 V_{DC}** power supply, and connect the **GND-** pin to the negative terminal.

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).

Verify that LEDs indicator

Front Panel



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

2 Search Modules

ESI file

The latest ESI file (**ICPDAS ECAT-2610.xml**) can be downloaded from ICP DAS website at

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

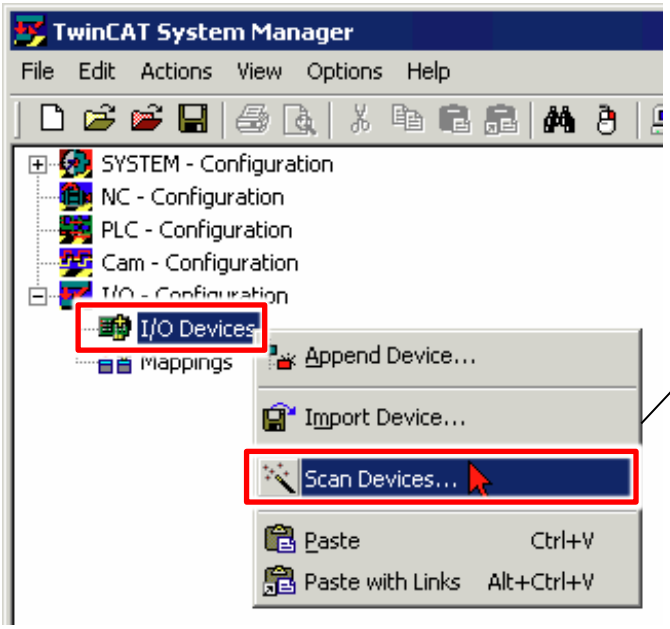
Install the ESI file

Copy the “ICPDAS ECAT-2610.xml” file to the Master Tools installation folder, as indicated in the table below.

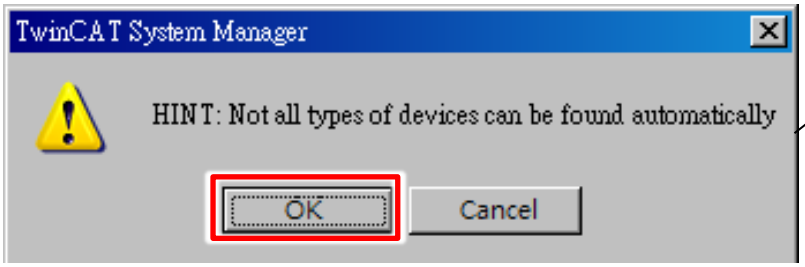
Software	Default Path
Beckhoff EtherCAT Configuration	C:\EtherCAT Configurator\EtherCAT
Beckhoff TwinCAT 3.X	C:\TwinCAT\3.x\Config\Io\EtherCAT
Beckhoff TwinCAT 2.X	C:\TwinCAT\Io\EtherCAT

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

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

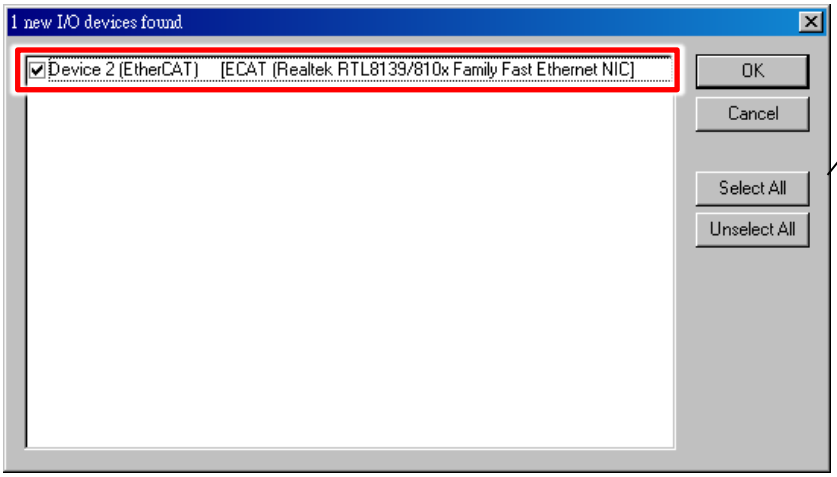


I/O Devices → Right click → Scan Devices…

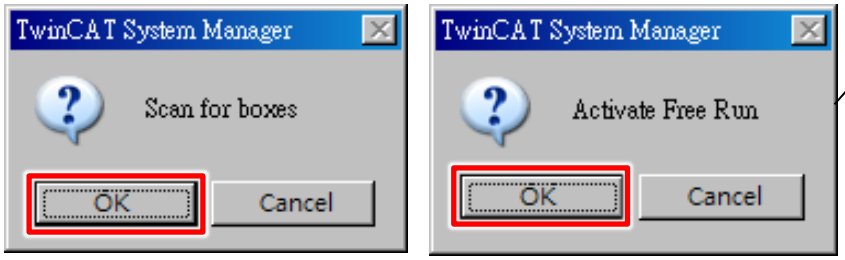


Click **“OK”** button

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

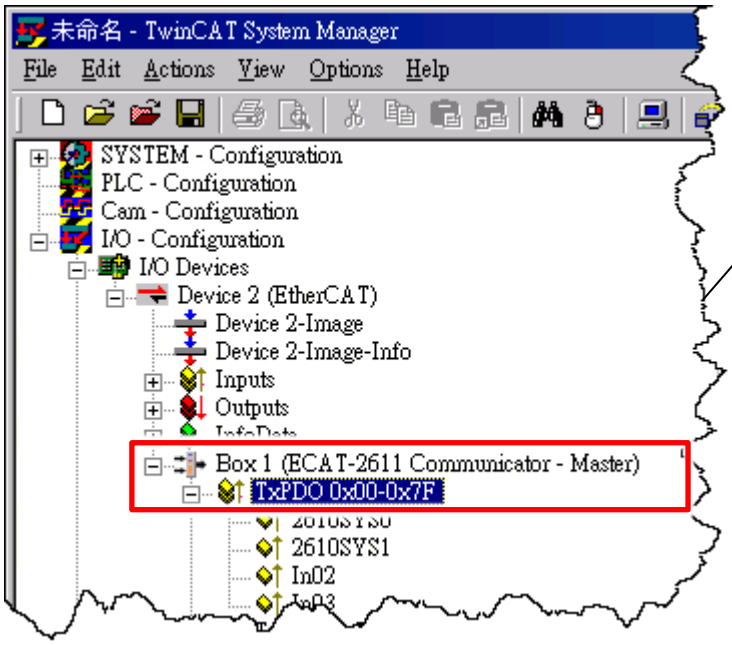


Choose the correct network device which is connected to ECAT-2610

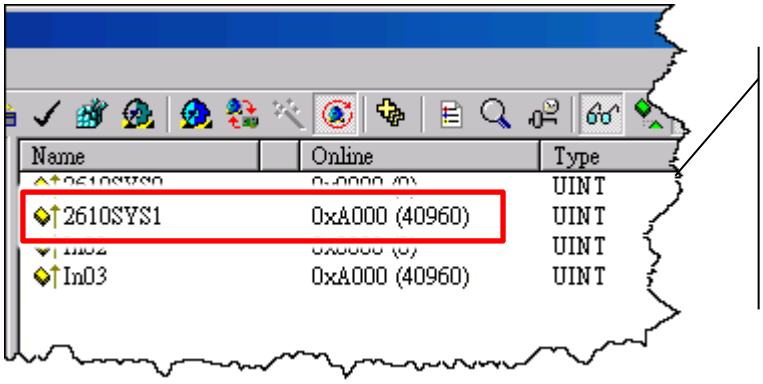


Click **“OK”** to start scanning
Click **“OK”** to activate the free run mode for TwinCAT system manager

Verifying the status of ECAT-2610 Module



In the left-hand window, **ECAT-2610** is now shown in the TwinCAT system Manager and click **“TxPDO 0x00-0x7F”**



In the right-hand window, check the **“2610SYS1”** item is **0xA000** means the normal running of the ECAT-2610 module

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000