



FAQ for ECAT-2000

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1. How to make Beckhoff Configurator or TwinCAT recognize ECAT-2000?

EtherCAT devices are described in an XML file, ESI (EtherCAT Slave Information) file, which describes the modules of the ECAT-2000 series named "*ICPDAS ECAT-2000.xmL*."

- Download the ESI file, *ICPDAS ECAT-2000.xmL*, from the website <u>http://ftp.icpdas.com/pub/cd/fieldbus_cd/ethercat/slave/ecat-2000/software/</u> or from the CD in the shipping package CD: \fieldbus_cd\ethercat\slave\ecat-2000\software
- Copy the file "ICPDAS ECAT-2000.xml" to the destination folder of EtherCAT Master Tools(Beckhoff EtherCAT Configurator or TwinCAT etc.)
 C:\EtherCAT Configurator\EtherCAT\ICPDAS ECAT-2000.xml
 C:\TwinCAT\Io\EtherCAT\ICPDAS ECAT-2000.xml
 Otherwise, if you are using another tool, to the folder set for that tool.

2. How to scan ECAT-2000 in Beckhoff Configurator or TwinCAT?

This part is described the configuration using the example of ECAT-2055 and the *EtherCAT Configurator* supplied by Beckhoff.

- 1. Start your **EtherCAT Configurator**.
- 2. Choose File, New to create a new I/O Configuration.
- 3. Click *I/O Device* with the right mouse button and choose *Append Device*...

in the menu, and then the dialog window Insert Device is opened.



4. Select the **EtherCAT** type in this dialog window and confirm with **OK**.

Insert Devic	ce in the second se	
Туре:	Profibus DP CANopen DeviceNet / Ethernet I/P EtherCAT EtherCAT	Ok Cancel
Name:	Device 1	

5. Device 1 (EtherCAT) is added to to your configuration, i.e. a new EtherCAT line. Click Device 1(EtherCAT) with the right mouse button and choose Scan Boxes... in the menu.

🔫 Demo.esm - EtherCAT Conf	igurator			
<u>File E</u> dit <u>A</u> ctions <u>V</u> iew Option	<u>File E</u> dit <u>A</u> ctions <u>V</u> iew Options <u>H</u> elp			
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SYSTEM - Configuration Real-Time Settings Additional Tasks IO - Configuration IO Devices IO - Configuration Mappings	General Adapter EtherCAT Online CoE - Online Name: Device 1 (EtherCAT) Type: EtherCAT ** Append Box * ** Delete Device * ** Online Reset * ** Online Reload (Config Mode only) * Online Delete (Config Mode only) * ** Scan Boxes * ** Scan Boxes * ** Cut Cttl+X ** Cott Cttl+V ** Paste with Links Alt+Cttl+V ** Tossabled *	Id: 1		
Ready	Change NetId	Local Config Mode		

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

1 new I/O devices found	×
▼Device 1 (EtherCAT) [區域連線 (AMD PCNET Family PCI Ethernet Adapter - Packe	OK Cancel Select All Unselect All

7. If the hint is shown, click **Yes/OK** and continue.

EtherCAT Configurator		
♪	HINT: Not all types of devices can be found automatically	
	OK Cancel	

8. Click **Yes** to start scanning for ECAT-2000.



9. Click **Yes** to activate the free run mode for EtherCAT Configurator.

EtherCAT Configurator		
2 Activate Free Run		
Yes No		

10. The **ECAT-2000 (Box 1)** is now shown in the EtherCAT Configurator.

🔫 Demo.esm - EtherCAT Configurator		
<u>File Edit Actions Y</u> iew <u>Options H</u> elp		
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SYSTEM - Configuration Real-Time Settings Additional Tasks I/O - Configuration I/O Devices Device 1 (EtherCAT) Configuration Device 1 (EtherCAT) Device 1 (EtherCAT)	General EtherCA <u>N</u> ame: Type: <u>C</u> omment:	AT DC Process Data Startup CoE - Online Online Box 1 (ECAT-2055 8DI/8DO) Id: 1 ECAT-2055 8 Ch. Dig. In. Dry/Wet 50V, 8 Ch. Dig. Out. Sink 30V 0.7A
Ready		Local Free Run