

Quick Start , take ECAT-2055-32(16 DI/16 DO)as an example

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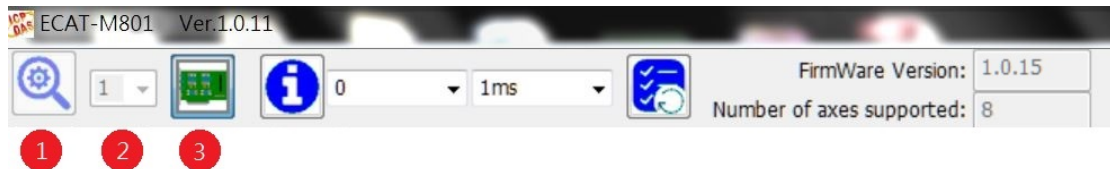
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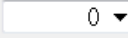
1.1 Establishing a connection with ECAT-M8011



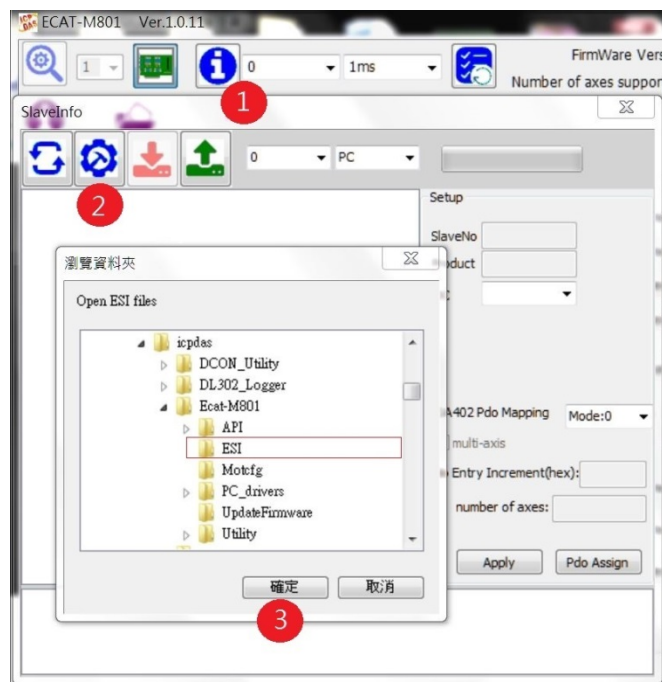
Press “Print Function” can print used function while clicking buttons



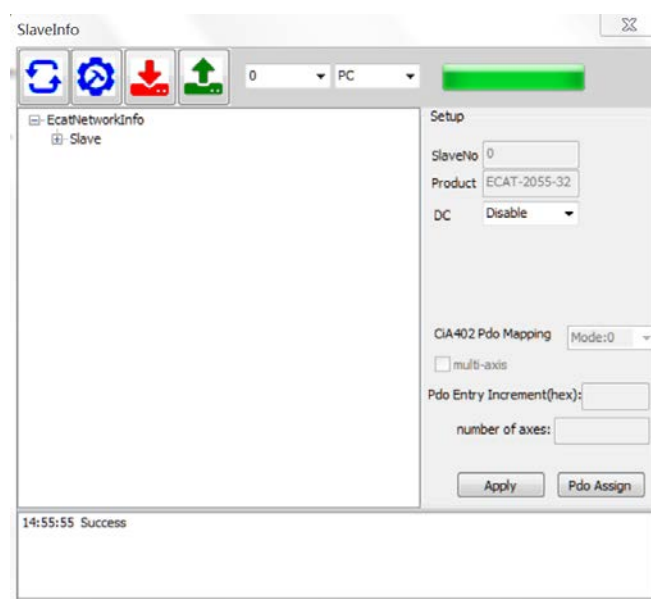
(1)Click  to find ECAT-M801

(2)Select device form  0 , Click  Establish communication with the specified device

2.1 Network Information Edit



- (1) Click  to enter the network information edit page
- (2) Click  to Build network information from ESI files, please put ESI files into ESI folder
- (3) Click “OK”, start to build network information



- (4) click  to save file, close this page

3.1 Enter OP

After entering the OP, Slave and Master will start the cycle communication, and then the PDO can be operated.



(1) Click  to enter OP

(2) Check status is in OP

Slave(s):1	OP	WC:2	Up
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, it may take a while

4.1 PDO Monitor

Slave Info | Motion Info | Device I/O | PID Control | Diagnostic

NO.	Slave Name.
0	ECAT-2055-32 16 Ch. D...

Information

Alias: 0

Product Code: 2055

Vendor ID: 4801360

Revision No.: 2097153

Serial No.: 1632454730

SlaveType: Generic

SlaveAlState: 8

SlaveName: ECAT-2055-32 16 Ch. Dig

SDO

Index(Hex):

SubIndex(Hex):

Data Size(Bytes):

Get

Set

Advanced Setting

Rxpdo

Offset(Bytes):

Data Size(Bytes):

Get (Hex)

Set (Hex)

ConvertToHex

Channel 1

Txpdo

Offset(Bytes):

Data Size(Bytes):

Get (Hex)

Channel 1

Show PDO

(1) Click ECAT-2055-32

(2) Click Show PDO

Dialog

Input (TxPdo)				Output (RxPdo)			
Name	offset(bytes)	size(bit)	Value(DEC)	Name	offset(bytes)	size(bit)	Value(DEC)
0.0 Digital Inputs				0.0 Digital Outputs			
DI0	0	1	0	DO0	0	1	0
DI1		1	0	DO1		1	0
DI2		1	0	DO2		1	0
DI3		1	0	DO3		1	0
DI4		1	0	DO4		1	0
DI5		1	0	DO5		1	0
DI6		1	0	DO6		1	0
DI7		1	0	DO7		1	0
DI8	1	1	0	DO8	1	1	0
DI9		1	0	DO9		1	0
DI10		1	0	DO10		1	0
DI11		1	0	DO11		1	0
DI12		1	0	DO12		1	0
DI13		1	0	DO13		1	0
DI14		1	0	DO14		1	0
DI15		1	0	DO15		1	0

(3) Input(Txpdo) is in left side , DI can be read, cannot be write;

OutPut(RxPdo) is in right side , DO can be readable and writable .

5.1 Set Do

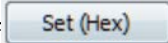
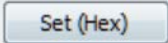
(1)

The screenshot shows the Rxpdo configuration window. On the left, there are input fields for 'Offset(Bytes):' with value '0', 'Data Size(Bytes):' with value '1', and a 'Set (Hex)' button. Below the button is a text input field containing 'ff'. On the right, there is a grid of 24 circular LEDs arranged in 3 rows and 8 columns. The top row of 8 LEDs is illuminated green, while the other two rows are grey.

Set DO0~DO7

Set Offset(Bytes) as 0

Set Data Size(Bytes) as 1

Enter ff on the left side of , Click , LED DO0~DO7 on the module turned on

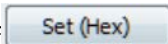
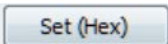
(2)

The screenshot shows the Rxpdo configuration window. On the left, there are input fields for 'Offset(Bytes):' with value '1', 'Data Size(Bytes):' with value '1', and a 'Set (Hex)' button. Below the button is a text input field containing 'ff'. On the right, there is a grid of 24 circular LEDs arranged in 3 rows and 8 columns. The top two rows of 16 LEDs are illuminated green, while the bottom row is grey.

Set DO8~DO15

Set Offset(Bytes) as 1

Set Data Size(Bytes) as 1

Enter ff on the left side of , Click , LED DO8~DO15 on the module turned on

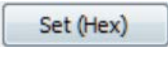
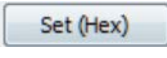
(3)

The screenshot shows the Rxpdo configuration window. On the left, there are input fields for 'Offset(Bytes):' with value '0', 'Data Size(Bytes):' with value '2', and a 'Set (Hex)' button. Below the button is a text input field containing '00,00'. On the right, there is a grid of 24 circular LEDs arranged in 3 rows and 8 columns. All LEDs in the grid are grey.

Set DO0~DO15

Set Offset(Bytes) as 0

Set Data Size(Bytes) as 2

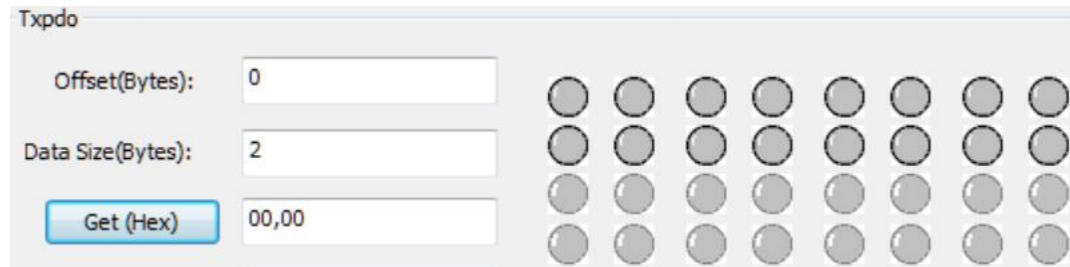
Enter 00,00 on the left side of , Click , LED

DO0~DO15 on the module turned off

(4) The operation above can use ECAT_SetSlaveDO or ECAT_SetSlaveRxPdoData

6.1 Get DI

(1)

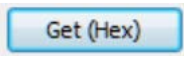


The screenshot shows a software interface titled "Txpdo". It contains three input fields: "Offset(Bytes)" with the value "0", "Data Size(Bytes)" with the value "2", and a "Get (Hex)" button. To the right of these fields is a grid of 16 circular indicators arranged in 4 rows and 4 columns.

read DI0~DI15

Set Offset(Bytes) as 0

Set Data Size(Bytes) as 2

Click  to read DI0~DI15

(2) The operation above can use ECAT_GetSlaveDI or ECAT_GetSlaveTxPdoData