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Info ..... 4

# Process Data (PDO)

x Process Data

- ProcessData

The screenshot shows the 'Configurator' software interface with the 'ProcessData' tab selected. The interface includes several functional buttons at the top: Scan, Download, Upload, Save, Load, and Close. The main area is divided into several sections:

- Topology**: A tree view showing device addresses and names, with [0005h] MADHT1505BA1 selected.
- Net Info**: Network-related information.
- Slave Info**: Information about the selected slave device.
- ProcessData**: The active configuration window, containing:
  - SyncManager**: A table with columns SM, Size, and Type.
 

SM	Size	Type
0	256	MBoxOut
1	256	MBoxIn
2	19	Outputs
3	25	Inputs
  - PDO List**: A table with columns Index, Size, Name, and SM.
 

Index	Size	Name	SM
0x1600	9	Receive PDO mapping 1	
0x1601	19	Receive PDO mapping 2	2
0x1602	15	Receive PDO mapping 3	
0x1603	21	Receive PDO mapping 4	
0x1A00	23	Transmit PDO mapping 1	
0x1A01	25	Transmit PDO mapping 2	3
0x1A02	25	Transmit PDO mapping 3	
  - PDO Assignment**: A list of checkboxes for indices 0x1600, 0x1601, 0x1602, and 0x1603.
  - PDO Content (0x1A00)**: A table with columns Index, Size, Name, and Type.
 

Index	Size	Name	Type
0x6040:00	2	Controlword	UINT
0x6060:00	1	Modes of operation	SINT
0x6071:00	2	Target torque	INT
0x607A:00	4	Target position	DINT
0x6080:00	4	Max motor speed	UDINT
0x60B8:00	2	Touch probe function	UINT

At the bottom, there are buttons for 'Index' and 'Addr', and a checkbox labeled 'Apply AutoAddress To Servo' with a sub-checkbox 'Apply to the same product' which is checked.

- SyncManager "MBoxOut", "MBoxIn" <sup>1)</sup>
- SyncManager

SyncManager

SM	Size	Type
0	256	MBoxOut
1	256	MBoxIn
2	9	Outputs
3	25	Inputs

PDO List

Index	Size	Name	SM
0x1600	9	Receive PDO mapping 1	2
0x1601	19	Receive PDO mapping 2	
0x1602	15	Receive PDO mapping 3	
0x1603	21	Receive PDO mapping 4	
0x1A00	23	Transmit PDO mapping 1	
0x1A01	25	Transmit PDO mapping 2	3
0x1A02	25	Transmit PDO mapping 3	
0x1A03	25	Transmit PDO mapping 4	

PDO Assignment

<input checked="" type="checkbox"/>	0x1600
<input type="checkbox"/>	0x1601
<input type="checkbox"/>	0x1602
<input type="checkbox"/>	0x1603

PDO Content (0x1A00)

Index	Size	Name	Type
0x6040:00	2	Controlword	UINT
0x6060:00	1	Modes of operation	SINT
0x607A:00	4	Target position	DINT
0x60B8:00	2	Touch probe function	UINT

- “Outputs” <sup>2)</sup> (Process Data)
- , 4 PDO (RxPDO)가 0x1600 PDO가
  - 0x1600 PDO Content Controlword, Modes of operation, Target position, TouchProbe function
  - , Torque , Torque
- PDO Assignment RxPDO

SyncManager

SM	Size	Type
0	256	MBoxOut
1	256	MBoxIn
2	19	Outputs
3	23	Inputs

PDO List

Index	Size	Name	SM
0x1600	9	Receive PDO mapping 1	
0x1601	19	Receive PDO mapping 2	2
0x1602	15	Receive PDO mapping 3	
0x1603	21	Receive PDO mapping 4	
0x1A00	23	Transmit PDO mapping 1	3
0x1A01	25	Transmit PDO mapping 2	
0x1A02	25	Transmit PDO mapping 3	
0x1A03	25	Transmit PDO mapping 4	

PDO Assignment

<input type="checkbox"/>	0x1600
<input checked="" type="checkbox"/>	0x1601
<input type="checkbox"/>	0x1602
<input type="checkbox"/>	0x1603

PDO Content (0x1A00)

Index	Size	Name	Type
0x6040:00	2	Controlword	UINT
0x6060:00	1	Modes of operation	SINT
0x6071:00	2	Target torque	INT
0x607A:00	4	Target position	DINT
0x6080:00	4	Max motor speed	UDINT
0x60B8:00	2	Touch probe function	UINT
0x60FF:00	4	Target velocity	DINT

- PDO 0x1601 , 0x1601 PDO Content 가
  - 0x1600 Target torque Max motor speed가 가
  - , Torque 가 가 .

SyncManager

SM	Size	Type
0	256	MBoxOut
1	256	MBoxIn
2	9	Outputs
3	25	Inputs

PDO List

Index	Size	Name	SM
0x1600	9	Receive PDO mapping 1	2
0x1601	19	Receive PDO mapping 2	
0x1602	15	Receive PDO mapping 3	
0x1603	21	Receive PDO mapping 4	
0x1A00	23	Transmit PDO mapping 1	
0x1A01	25	Transmit PDO mapping 2	3
0x1A02	25	Transmit PDO mapping 3	
0x1A03	25	Transmit PDO mapping 4	

PDO Assignment

<input type="checkbox"/>	0x1A00
<input checked="" type="checkbox"/>	0x1A01
<input type="checkbox"/>	0x1A02
<input type="checkbox"/>	0x1A03

PDO Content (0x1A00)

Index	Size	Name	Type
0x603F:00	2	Error code	UINT
0x6041:00	2	Statusword	UINT
0x6061:00	1	Modes of operation display	SINT
0x6064:00	4	Position actual value	DINT
0x606C:00	4	Velocity actual value	DINT
0x6077:00	2	Torque actual value	INT
0x60B9:00	2	Touch probe status	UINT

- “Inputs” <sup>3)</sup> (Process Data)
- , 4 PDO (TxPDO)가 0x1A01 PDO가
  - 0x1A01 PDO Content
  - , PDO Content Torque actual value torque
- PDO List 가 PDO List list , PDO Assignment
- “Apply to the same product” <sup>4)</sup>

**Info**

- RxPDO TxPDO xml

1) , Data

2)

Data RxPDO

3)

Data TxPDO

4)

VendorID ProductCode가

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