

PDO MAP 1
Intro 1
ESI File 1

PDO MAP

× ESI

PDO Map

Intro

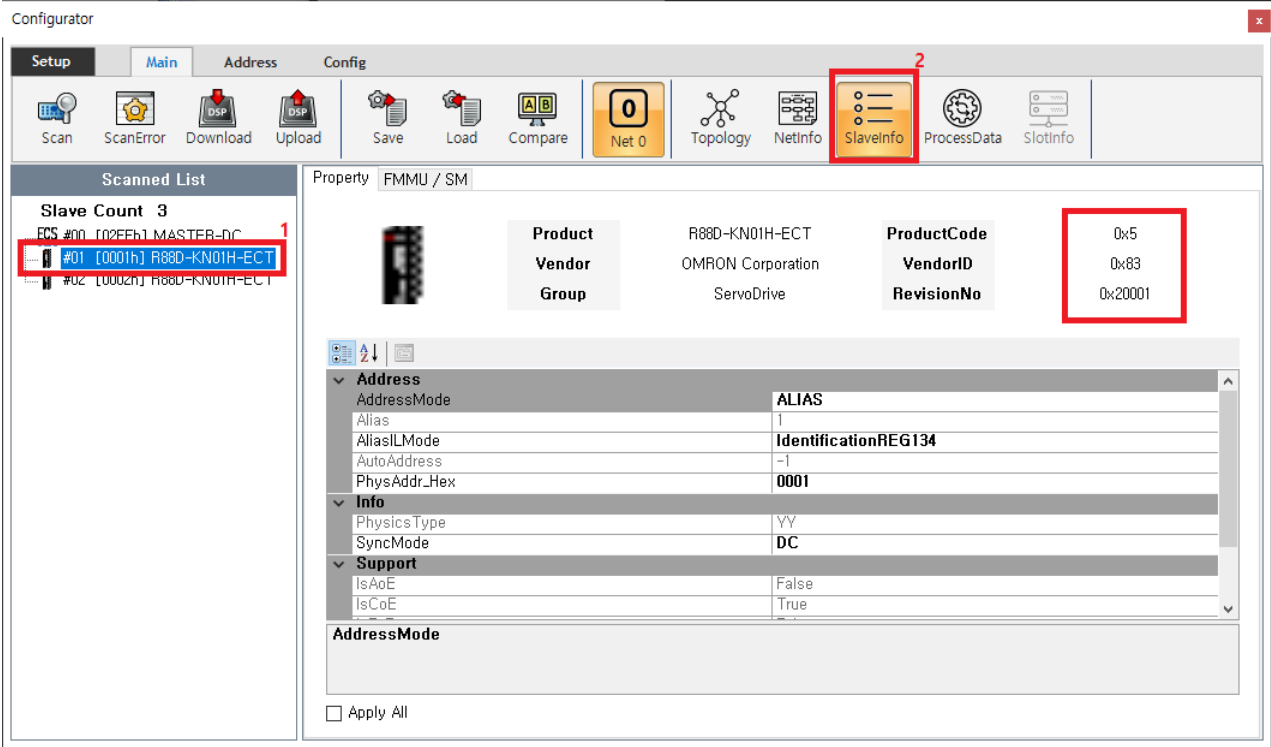
The screenshot shows the 'Configurator' software interface. It has a menu bar with 'Setup', 'Main', 'Address', and 'Config'. Below the menu is a toolbar with icons for Scan, ScanError, Download, Upload, Save, Load, Compare, Net 0, Topology, NetInfo, SlaveInfo, ProcessData, and SlotInfo. The main area is divided into several panels:

- Scanned List:** Shows 'Slave Count 3' and lists three slaves: #00 [02FFh] MASTER-DC, #01 [0001h] R88D-KN01H-ECT, and #02 [0002h] R88D-KN01H-ECT.
- SyncManager:** A table with columns SM, Size, and Type. It lists four entries: SM 0 (256, MBoxOut), SM 1 (256, MBoxIn), SM 2 (12, Outputs), and SM 3 (28, Inputs).
- PDO List:** A table with columns Index, Size, Name, and SM. It lists various PDO mappings, including '258th receive PDO Mapping' at index 0x1701 with SM 2.
- PDO Assignment:** A table with columns Index, Size, Name, and Type. It lists assignments for indices 0x1600 to 0x1705. The entry for 0x1701 is checked and highlighted with a red box.
- PDO Contents (0x1701):** A table with columns Index, Size, Name, and Type. It lists contents for index 0x1701, such as 'Controlword' (2 bytes, UINT), 'Target position' (4 bytes, DINT), 'Touch probe function' (2 bytes, UINT), and 'Physical outputs' (4 bytes, UDINT).

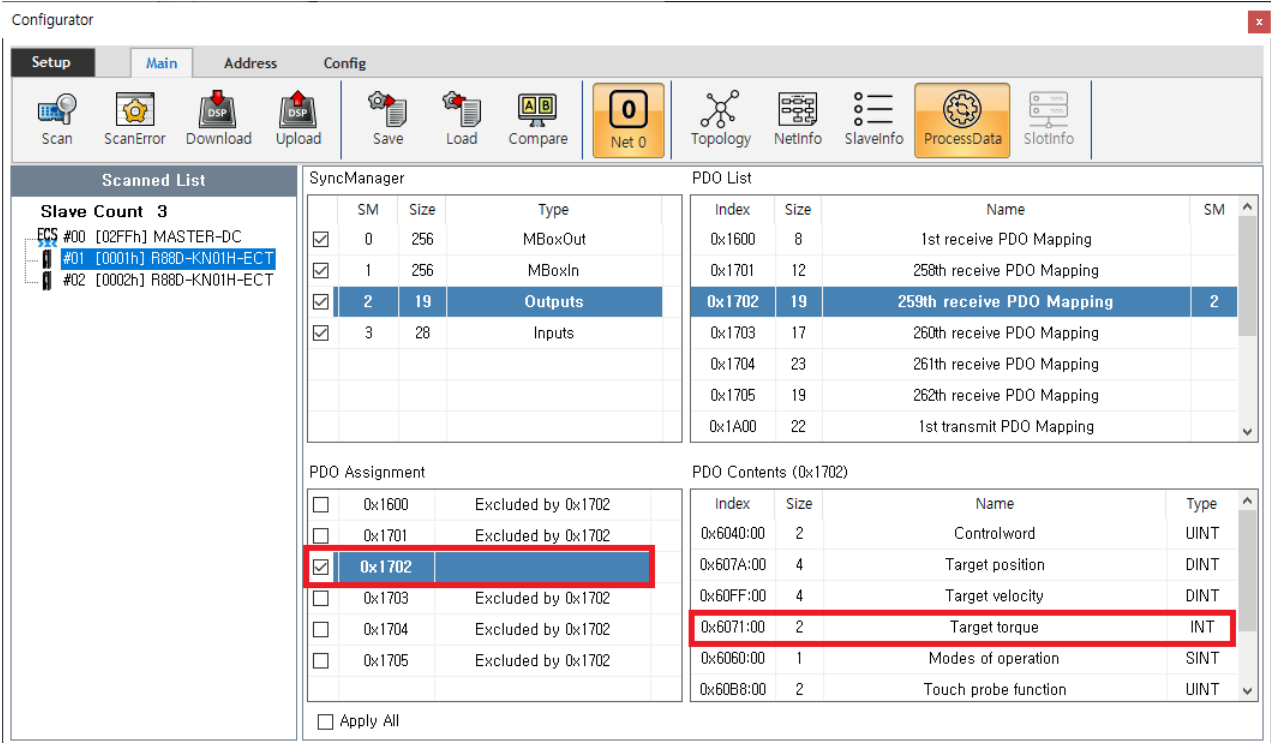
- SCAN
 - 'PDO Assignment' 가 ESI ¹⁾
- 'PDO Contents'
 - 'Current Torque' PDO Map(0x1702), 'Target Torque'
- SCAN
 - esi, ESI

ESI File

- OMRON
 - Torque
- PDO Map



- 'SlaveInfo' ProductCode, RevisionNo



- 'ProcessData' PDO Map
- 'Target Troque' Map : 0x1702

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <EtherCATInfo Version="1.4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLoca
3   <Vendor FileVersion="100">
4     <!--1.00:NewRelease-->
5     <Id>#x83</Id>
6     <Name LcId="1033">OMRON Corporation</Name>
7     <Name LcId="1041">オムロン 株式会社</Name>
8     <ImageData16x14>424DD6020000000000000360000002800000100000000E00000010018000000000A0020000000000
9   </Vendor>
10  <Descriptions>
11    <Groups>
12      <Group SortOrder="100">
13        <Type>ServoDrive</Type>
14        <Name LcId="1033">Servo Drives</Name>
15        <Name LcId="1041">サロボドライブ</Name>
16        <ImageData16x14>424DD60200000000000360000002800000100000000E00000010018000000000A002000
17      </Group>
18    </Groups>
19    <Devices>
20      <Device Invisible="0" Physics="YY">
8135    <Device Invisible="0" Physics="YY">
16250   <Device Invisible="0" Physics="YY">
24365   <Device Invisible="0" Physics="YY">
32480   <Device Invisible="0" Physics="YY">
32481   <Type ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</Type>
32482   <HideType ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</HideType>
32483   <HideType ProductCode="#x00000005" RevisionNo="#x00020000">R88D-KN01H-ECT</HideType>
32484   <Name LcId="1033"><![CDATA[R88D-KN01H-ECT G5 Series ServoDrive/Motor]]></Name>
32485   <Name LcId="1041"><![CDATA[R88D-KN01H-ECT G5 シリズ サロボドライブ/モタ]]></Name>
32486   <Comment LcId="1033">200V/100W ServoDrive</Comment>
32487   <Comment LcId="1041">200V/100W サロボドライブ</Comment>
32488   <URL LcId="1033">http://www.ia.omron.com/</URL>
32489   <URL LcId="1041">http://www.fa.omron.co.jp/</URL>
32490   <Info>
32491     <StateMachine>
32492     <Timeout>

```

- XML Editor²⁾ esi , ProductCode RevisionNo가

The screenshot displays the configuration for a Servo Drive device. The XML code on the left includes attributes for ProductCode and RevisionNo. The graphical interface on the right provides a detailed view of the device's capabilities and PDO assignments.

SM	Size	Type
<input type="checkbox"/>	0	256 MBoxOut
<input checked="" type="checkbox"/>	1	256 MBoxIn
<input checked="" type="checkbox"/>	2	12 Outputs
<input checked="" type="checkbox"/>	3	28 Inputs

Index	Size
0x1600	8
0x1701	12
0x1702	19
0x1703	17
0x1704	23
0x1705	19
0x1A00	22

Index	Assignment
<input type="checkbox"/>	0x1600 Excluded by 0x1701
<input checked="" type="checkbox"/>	0x1701
<input type="checkbox"/>	0x1702 Excluded by 0x1701
<input type="checkbox"/>	0x1703 Excluded by 0x1701
<input type="checkbox"/>	0x1704 Excluded by 0x1701
<input type="checkbox"/>	0x1705 Excluded by 0x1701

Index	Size
0x6040:00	2
0x607A:00	4
0x60B8:00	2
0x60FE:01	4

• '<RxDpo Fixed="0">'

'SyncManager' Outputs

PDO Assignment			PDO Contents (0x1702)		
<input type="checkbox"/>	0x1600	Excluded by 0x1702	Index	Size	
<input type="checkbox"/>	0x1701	Excluded by 0x1702	0x6040:00	2	
<input checked="" type="checkbox"/>	0x1702		0x607A:00	4	
<input type="checkbox"/>	0x1703	Excluded by 0x1702	0x60FF:00	4	
<input type="checkbox"/>	0x1704	Excluded by 0x1702	0x6071:00	2	
<input type="checkbox"/>	0x1705	Excluded by 0x1702	0x6060:00	1	Mod

• 'Sm="2"'

가

SyncManager				PDO List		
<input checked="" type="checkbox"/>	SM	Size	Type	Index	Size	
<input checked="" type="checkbox"/>	0	256	MBoxOut	0x1600	8	1st re
<input checked="" type="checkbox"/>	1	256	MBoxIn	0x1701	12	258th r
<input checked="" type="checkbox"/>	2	19	Outputs	0x1702	19	259th re
<input checked="" type="checkbox"/>	3	28	Inputs	0x1703	17	260th r

PDO Assignment			PDO Contents (0x1702)		
<input type="checkbox"/>	0x1600	Excluded by 0x1702	Index	Size	
<input type="checkbox"/>	0x1701	Excluded by 0x1702	0x6040:00	2	
<input checked="" type="checkbox"/>	0x1702		0x607A:00	4	
<input type="checkbox"/>	0x1703	Excluded by 0x1702	0x60FF:00	4	
<input type="checkbox"/>	0x1704	Excluded by 0x1702	0x6071:00	2	
<input type="checkbox"/>	0x1705	Excluded by 0x1702	0x6060:00	1	Mod
			0x60B8:00	2	Touc

• 'Sm="2"' 가 , 가

The screenshot shows an XML configuration for a servo drive. The XML includes device information, product codes, and PDO configuration. A configuration window is overlaid on the XML, showing the SyncManager and PDO List settings.

SyncManager

SM	Size	Type	
<input checked="" type="checkbox"/>	0	256	MBoxOut
<input checked="" type="checkbox"/>	1	256	MBoxIn
<input checked="" type="checkbox"/>	2	12	Outputs
<input checked="" type="checkbox"/>	3	28	Inputs

PDO List

Index	Size
0x1600	8
0x1701	12
0x1702	19
0x1703	17
0x1704	23
0x1705	19
0x1A00	22

PDO Assignment

Index	Size
<input type="checkbox"/>	0x1A00
<input checked="" type="checkbox"/>	0x1B01
<input type="checkbox"/>	0x1B02
<input type="checkbox"/>	0x1B03
<input type="checkbox"/>	0x1B04
<input type="checkbox"/>	0x1BFF

PDO Contents (0x1B01)

Index	Size
0x603F:00	2
0x6041:00	2
0x6064:00	4
0x6077:00	2
0x60F4:00	4
0x60B9:00	2

- '<TxPdo Fixed="0">' 가 'SyncManager' Inputs
- 'Sm="3"' 가
- Configurator SCAN

1)

.xml

2)

Notepad, Notepad++, Ultra Editor

From: <http://comizoa.co.kr/info/> - -

Permanent link: http://comizoa.co.kr/info/doku.php?id=platform:ethercat:70_users_guide:10_howto:10_pdomapchange&rev=1624433876

Last update: 2024/07/08 18:22