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PDO MAP

× ESI                      PDO Map

Intro

Configurator

SetupMainAddressConfig

ScanScanErrorDownloadUploadSaveLoadCompareNet 0TopologyNetInfoSlaveInfoProcessDataSlotInfo

Scanned List

Slave Count 3  
ECS #00 [02FFh] MASTER-DC  
#01 [0001h] R88D-KN01H-ECT  
#02 [0002h] R88D-KN01H-ECT

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	Name	SM
0x1600	8	1st receive PDO Mapping	
0x1701	12	258th receive PDO Mapping	2
0x1702	19	259th receive PDO Mapping	
0x1703	17	260th receive PDO Mapping	
0x1704	23	261th receive PDO Mapping	
0x1705	19	262th receive PDO Mapping	
0x1A00	22	1st transmit PDO Mapping	

PDO Assignment

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

☐ Apply All

PDO Contents (0x1701)

Index	Size	Name	Type
0x6040:00	2	Controlword	UINT
0x607A:00	4	Target position	DINT
0x60B8:00	2	Touch probe function	UINT
0x60FE:01	4	Physical outputs	UDINT

- SCAN

◦

'PDO Assignment' 가 ESI
- 'PDO Contents'

◦

'Current Torque' PDO Map
- SCAN

◦

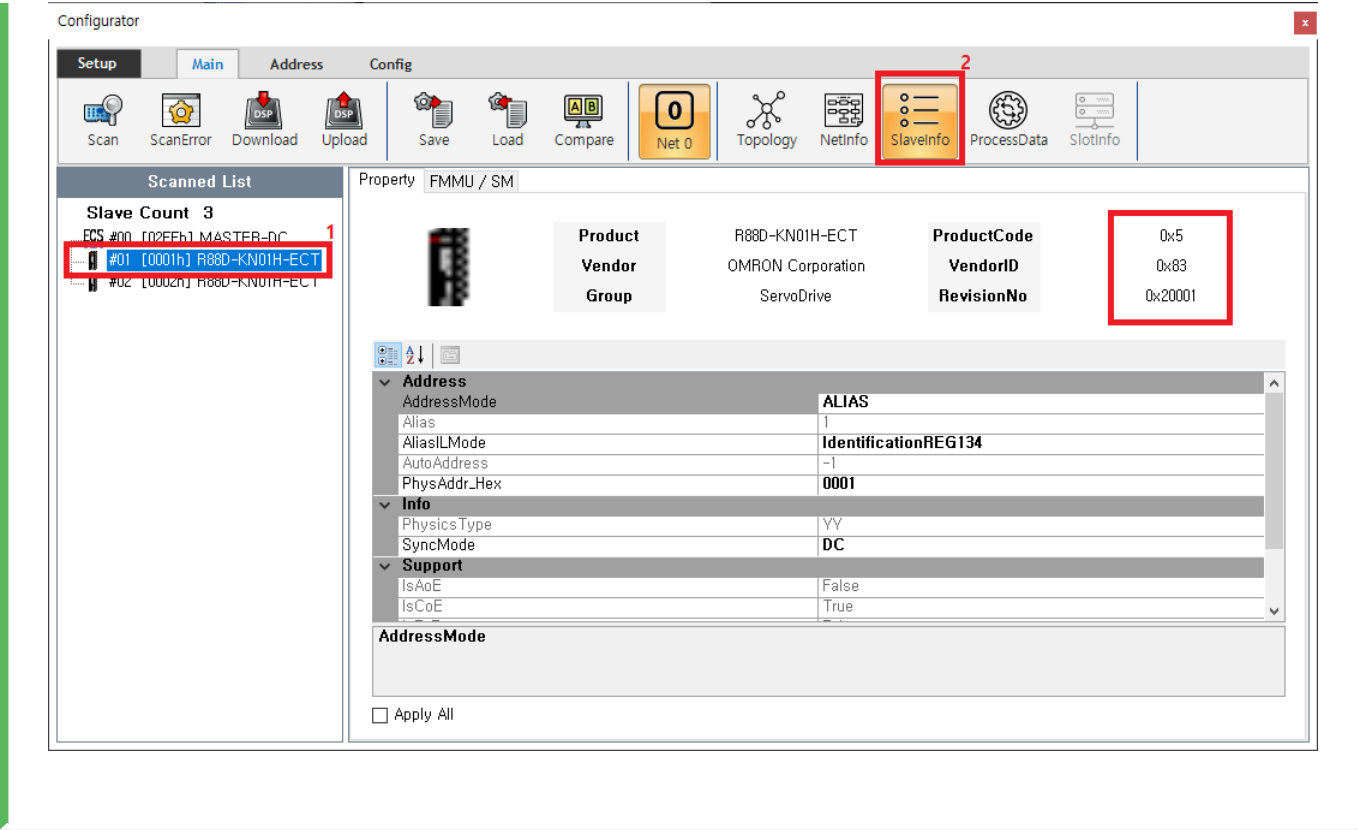
esi ESI
- 'PDO Assignment' , 'Target Torque'

ESI File

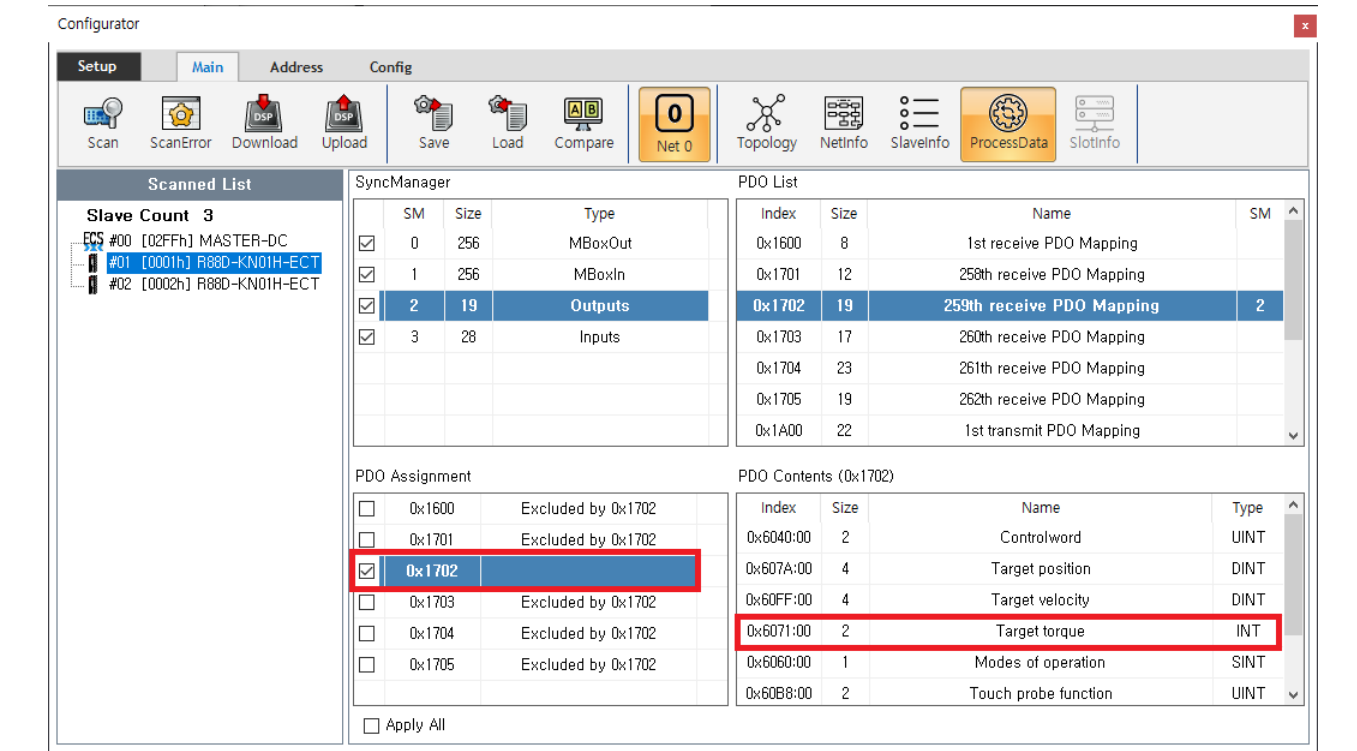
• OMRON

• Torque

PDO Map



- 'SlaveInfo'      ProductCode, RevisionNo



- 'ProcessData'      PDO Map      .  
    ◦      'Target Troque'      Map      : **0x1702**



- XML Editor<sup>2)</sup> esi, ProductCode RevisionNo가

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319 <Devices>
320 <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">
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32482 <HideType ProductCode="#x00000005" Rev
32483 <HideType ProductCode="#x00000005" Rev
32484 <Name LcId="1033"><![CDATA[R88D-KN01H-
32485 <Name LcId="1041"><![CDATA[R88D-KN01H-
32486 <Comment LcId="1033">200V/100W ServoDr
32487 <Comment LcId="1041">200V/100W サボボド
32488 <URL LcId="1033">http://www.ia.omron.e
32489 <URL LcId="1041">http://www.fa.omron.e
32490 <Info>
32515 <GroupType>ServoDrive</GroupType>
32516 <Profile>
39743 <Fmmu>Outputs</Fmmu>
39744 <Fmmu>Inputs</Fmmu>
39745 <Sm MinSize="40" MaxSize="256" Default
39746 <Sm MinSize="40" MaxSize="256" Default
39747 <Sm MaxSize="24" DefaultSize="12" Star
39748 <Sm MaxSize="30" DefaultSize="28" Star
39749 <RxPdo Fixed="0">
39783 <RxPdo Fixed="1" Sm="2">
39825 <RxPdo Fixed="1">
39891 <RxPdo Fixed="1">
39957 <RxPdo Fixed="1">
40039 <RxPdo Fixed="1">
40113 <TxPdo Fixed="0">
40178 <TxPdo Fixed="1" Sm="3">
40259 <TxPdo Fixed="1">
40340 <TxPdo Fixed="1">
40429 <TxPdo Fixed="1">
40518 <TxPdo Fixed="1">
40531 <Mailbox DataLinkLayer="1">
40532 <CoE SdoInfo="1" PdoAssign="1" PdoConfig="1" CompleteAccess="0" SegmentedSdo="1" DiagHistory="1">
40533 <InitCmd>

```

SyncManager

	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

PDO List

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

PDO 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

PDO Contents (0x1701)

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

- '<RxPdo Fixed="0">' 'SyncManager' Outputs
  - 'Sm="2"' 가 .

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" Re  
32483<HideType ProductCode="#x00000005" Re  
32484<Name LcId="1033"><![CDATA[R88D-KN01H  
32485<Name LcId="1041"><![CDATA[R88D-KN01H  
32486<Comment LcId="1033">200V/100W Servo  
32487<Comment LcId="1041">200V/100W サ  
32488<URL LcId="1033">http://www.ia.omron  
32489<URL LcId="1041">http://www.fa.omron  
32490<Info>  
32515<GroupType>ServoDrive</GroupType>  
32516<Profile>  
39743<Fmmu>Outputs</Fmmu>  
39744<Fmmu>Inputs</Fmmu>  
39745<Sm MinSize="40" MaxSize="256" Defaul  
39746<Sm MinSize="40" MaxSize="256" Defaul  
39747<Sm MaxSize="24" DefaultSize="12" Sta  
39748<Sm MaxSize="30" DefaultSize="28" Sta  
39749<RxPdo Fixed="0">  
39783<RxPdo Fixed="1">  
39825<RxPdo Fixed="1" Sm="2">  
39891<RxPdo Fixed="1">  
39957<RxPdo Fixed="1">  
40039<RxPdo Fixed="1">  
40113<TxPdo Fixed="0">  
40178<TxPdo Fixed="1" Sm="3">  
40259<TxPdo Fixed="1">  
40340<TxPdo Fixed="1">  
40429<TxPdo Fixed="1">  
40518<TxPdo Fixed="1">  
40531<Mailbox DataLinkLayer="1">  
40532<CoE SdoInfo="1" PdoAssign="1" PdoConfig="1" CompleteAccess="0" SegmentedSdo="1" DiagHistory="1">  
40533<InitCmd>

SyncManager

	SM	Size	Type
<input checked="" type="checkbox"/>	0	256	MBoxOut
<input checked="" type="checkbox"/>	1	256	MBoxIn
<input checked="" type="checkbox"/>	2	19	Outputs
<input checked="" type="checkbox"/>	3	28	Inputs

PDO List

Index	Size	
0x1600	8	1st re
0x1701	12	258th r
0x1702	19	259th re
0x1703	17	260th r
0x1704	23	261th r
0x1705	19	262th r
0x1A00	22	1st tra

PDO Assignment

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

PDO Contents (0x1702)

Index	Size	
0x6040:00	2	
0x607A:00	4	T
0x60FF:00	4	T
0x6071:00	2	T
0x6060:00	1	Mod
0x60B8:00	2	Touc

- 'Sm="2"' 가 , 가 .

19

20

8135

16250

24365

32480

32481

32482

32483

32484

32485

32486

32487

32488

32489

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32515

32516

39743

39744

39745

39746

39747

39748

39749

39783

39825

39891

39957

40039

40113

40178

40259

40340

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40518

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40532

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<Device Invisible="0" Physics="YY">

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<Name LcId="1041"><![CDATA[R88D-KN01H-ECT G5 シリウス サロボドライブ/モータ]]></Name>

<Comment LcId="1033">200V/100W ServoDrive</Comment>

<Comment LcId="1041">200V/100W サロボドライブ</Comment>

<URL LcId="1033">http://www.ia.omron.co.jp</URL>

<URL LcId="1041">http://www.fa.omron.co.jp</URL>

<Info>

<GroupType>ServoDrive</GroupType>

<Profile>

<Fmmu>Outputs</Fmmu>

<Fmmu>Inputs</Fmmu>

<Sm MinSize="40" MaxSize="256" DefaultSize="128">

<Sm MinSize="40" MaxSize="256" DefaultSize="128">

<Sm MaxSize="24" DefaultSize="12" StartSize="12">

<Sm MaxSize="30" DefaultSize="28" StartSize="28">

<RxPdo Fixed="0">

<RxPdo Fixed="1" Sm="2">

<RxPdo Fixed="1">

<RxPdo Fixed="1">

<RxPdo Fixed="1">

<RxPdo Fixed="1">

<TxPdo Fixed="0">

<TxPdo Fixed="1" Sm="3">

<TxPdo Fixed="1">

<TxPdo Fixed="1">

<TxPdo Fixed="1">

<TxPdo Fixed="1">

<Mailbox DataLinkLayer="1">

<CoE SdoInfo="1" PdoAssign="1" PdoData="1">

<InitCmd>

SyncManager

PDO List

SM	Size	Type	Index	Size
<input checked="" type="checkbox"/> 0	256	MBoxOut	0x1600	8
<input checked="" type="checkbox"/> 1	256	MBoxIn	0x1701	12
<input checked="" type="checkbox"/> 2	12	Outputs	0x1702	19
<input checked="" type="checkbox"/> 3	28	Inputs	0x1703	17
			0x1704	23
			0x1705	19
			0x1A00	22

PDO Assignment

PDO Contents (0x1B01)

	Index	Size
<input checked="" type="checkbox"/> 0x1A00	0x603F:00	2
<input type="checkbox"/> 0x1B01	0x6041:00	2
<input type="checkbox"/> 0x1B02	0x6064:00	4
<input type="checkbox"/> 0x1B03	0x6077:00	2
<input type="checkbox"/> 0x1B04	0x60F4:00	4
<input type="checkbox"/> 0x1BFF	0x60B9:00	2

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

1)  
.xml  
2)  
Notepad, Notepad++, Ultra Editor

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