

EDS FILE GENERATION SUGGESTION

Below we have an EDS file model. There are some fields in **blue** that represent the changeable values.

While SMB is not able to generate EDS file, the user can modify a generic EDS file (M221_EDS_Model.eds) that has been created based on a file generated by M258.

\$ EZ-EDS Version 3.9 Generated Electronic Data Sheet

[File]

```
DescText = "Network Interface Module EtherNet/IP";
CreateDate = 01-07-2015;
CreateTime = 15:18:49;
ModDate = 01-07-20151;
ModTime = 15:18:552;
Revision = 1.0;
HomeURL = "http://www.schneider-electric.com";
```

[Device]

```
VendCode = 243;
VendName = "Schneider Electric";
ProdType = 14;
ProdTypeStr = "Programmable Logic Controller";
ProdCode = 4099;
MajRev3 = 01;
MinRev4 = 03;
ProdName = "TM221";
Catalog5 = "TM221";
Icon = "TM221.ico";
```

[Device Classification]

```
Class1 = EtherNetIP;
Class2 = 1_RSNetWorx_Connectable_Module;
```

[Params]

```
Param1 =
    0,
    "",
    0x0000,
    0xC8,
    4,
    "RPI",
    "",
    "",
    "",
    10000,600000000,100000,
```

```

    ""
    ""
    ;
Param2 =
    0,
    "
    0x0000,
    0xC7,
    2,
    "Size 2",
    "",
    "",
    "",
    2,20,206,
    ""
    ""
    ;
Param3 =
    0,
    "
    0x0000,
    0xC7,
    2,
    "Size 3",
    "",
    "",
    "",
    2,20,207,
    ""
    ""
    ;

```

[Connection Manager]

```

Connection1 =
    0x04030002,      $ trigger & transport
    0x44643405,      $ connection parameters
    Param1,Param3,,   $ O=>T RPI,Size,Format
    Param1,0,,        $ T=>O RPI,Size,Format
    ,,                $ config part 1 (not used)
    ,,                $ config part 2 (not used)
    "Write Data to 1509", $ connection name
    "",              $ Help string
    "20 04 24 03 2C 9610 2C C6"; $ outputs only path

Connection2 =
    0x04030002,      $ trigger & transport
    0x44640405,      $ connection parameters
    Param1,Param2,,   $ O=>T RPI,Size,Format

```

```

Param1,Param3,,    $ T=>O RPI,Size,Format
,,                $ config part 1 (not used)
,,                $ config part 2 (not used)
"Read From 1008 / Write to 1509", $ connection name
"",              $ Help string
"20 04 24 03 2C 9610 2C 6411"; $ input/output path

```

```

Connection3 =
0x02030002,    $ trigger & transport
0x44640305,    $ connection parameters
Param1,0,,     $ O=>T RPI,Size,Format
Param1,Param3,, $ T=>O RPI,Size,Format
,,            $ config part 1 (not used)
,,            $ config part 2 (not used)
"Read Data from 1008", $ connection name
"",          $ Help string
"20 04 24 03 2C C6 2C 6411"; $ inputs only path

```

[Port]

```

Port2 =
TCP,
"Ethernet Port",
"20 F5 24 01",
2;

```

[Capacity]

```

MaxMsgConnections = 8;
MaxIOProducers = 32;
MaxIOConsumers = 32;
TSpec1 = TxRx, 4, 100;
TSpec2 = TxRx, 496, 100;

```

¹ **ModDate** → Last Modification Date: The date of the last modification to the EDS file. Every time EDS file is changed, this field shall update.

² **ModTime** → Last Modification Time: The time of the last modification to the EDS file. Every time EDS file is changed, it must update this field.

³ **MajRev** → Major Revision: Vendor-assigned major revision number. It is typically incremented when there is a change to the form, fit, or a function of the device. Changes to

major revisions are used by a configuration toll to match a device with an EDS. If FW version is 1.3.3.0, this field will be “01”

⁴ **MinRev** → Minor Revision: Vendor-assigned minor revision number. It is typically incremented when there are changes in the device that do not affect user configuration choices. For example: bug fixes, an additional LED, internal hardware changes, etc. Changes to minor revisions are not used by a configuration toll to match a device with an EDS. If FW version is 1.3.3.0, this field will be “03”

⁵ **Catalog** → Catalog Number: Commercial Reference number.

⁶ **20** → Size value of “Output assembly (Originator → Target, %IWE)” field in SMB. **This field MUST be multiplied by 2 in the EDS file. If SMB the value of this field is “20”, then it will need to be “40” in the EDS file.**

The screenshot shows the 'Ethernet/IP' configuration window with the 'Parameters' tab selected. Under the 'Output assembly (Originator --> Target, %IWE)' section, the 'Size' field is highlighted with a red rectangular box. The 'Size' field is a numeric input with a value of 20 and a dropdown arrow on the right. Other fields visible include 'Instance' (150) for the same assembly and 'Instance' (100) and 'Size' (20) for the 'Input Assembly (Target --> Originator, %QWE)' section.

⁷ **20** → Size value of “Input assembly (Target → Originator, %QWE)” field in SMB. **This field MUST be multiplied by 2 in the EDS file. If SMB the value of this field is “20”, then it will need to be “40” in the EDS file.**

The screenshot shows the 'Ethernet/IP' configuration window with the 'Parameters' tab selected. Under the 'Input Assembly (Target --> Originator, %QWE)' section, the 'Size' field is highlighted with a red rectangular box. The 'Size' field is a numeric input with a value of 20 and a dropdown arrow on the right. Other fields visible include 'Instance' (100) for the same assembly and 'Instance' (150) and 'Size' (20) for the 'Output assembly (Originator --> Target, %IWE)' section.

⁸ **100** → Instance value of “Input assembly (Target → Originator, %QWE)” field in SMB.

The screenshot shows the 'Ethernet/IP Parameters' dialog box. Under the 'Parameters' section, there are two main fields: 'Input Assembly (Target --> Originator, %QWE)' and 'Output assembly (Originator --> Target, %IWE)'. The 'Input Assembly' field has two sub-fields: 'Instance' and 'Size'. The 'Instance' field is highlighted with a red rectangle and contains the value '100'. The 'Size' field contains the value '20'. The 'Output assembly' field also has 'Instance' and 'Size' sub-fields, with 'Instance' containing '150' and 'Size' containing '20'.

⁹ **150** → Instance value of “Output assembly (Originator → Target, %IWE)” field in SMB.

The screenshot shows the 'Ethernet/IP Parameters' dialog box. Under the 'Parameters' section, there are two main fields: 'Input Assembly (Target --> Originator, %QWE)' and 'Output assembly (Originator --> Target, %IWE)'. The 'Output assembly' field has two sub-fields: 'Instance' and 'Size'. The 'Instance' field is highlighted with a red rectangle and contains the value '150'. The 'Size' field contains the value '20'. The 'Input Assembly' field also has 'Instance' and 'Size' sub-fields, with 'Instance' containing '100' and 'Size' containing '20'.

¹⁰ **96** → Instance hexadecimal value of “Output assembly (Originator → Target, %IWE)” field in SMB.

The screenshot shows the 'Ethernet/IP Parameters' dialog box. Under the 'Parameters' section, there are two main fields: 'Input Assembly (Target --> Originator, %QWE)' and 'Output assembly (Originator --> Target, %IWE)'. The 'Output assembly' field has two sub-fields: 'Instance' and 'Size'. The 'Instance' field is highlighted with a red rectangle and contains the value '150'. The 'Size' field contains the value '20'. The 'Input Assembly' field also has 'Instance' and 'Size' sub-fields, with 'Instance' containing '100' and 'Size' containing '20'.

¹¹ **64** → Instance hexadecimal value of “Input assembly (Target → Originator, %QWE)” field in SMB.

The screenshot shows the 'Ethernet/IP Parameters' dialog box. Under the 'Parameters' section, there are two main fields: 'Input Assembly (Target --> Originator, %QWE)' and 'Output assembly (Originator --> Target, %IWE)'. The 'Input Assembly' field has two sub-fields: 'Instance' and 'Size'. The 'Instance' field is highlighted with a red rectangle and contains the value '100'. The 'Size' field contains the value '20'. The 'Output assembly' field also has 'Instance' and 'Size' sub-fields, with 'Instance' containing '150' and 'Size' containing '20'.