CAN Bus 2.0A/2.0B General and SAE J1939

Supported series: CAN Bus 2.0A / CAN Bus 2.0B / SAE J1939.

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	CAN Bus 2.0A/2.0B General and SAE J1939		
	General	General / SAE J1939	
Baud rate	250K	20K~1M	
Reset RDO when communication fails			

Online simulator	NO	Extend address mode	NO

How to import SAE J1939 address tags:

1. In EasyBuilder Pro add **[CAN Bus 2.0A/2.0B General and SAE J1939]** driver.
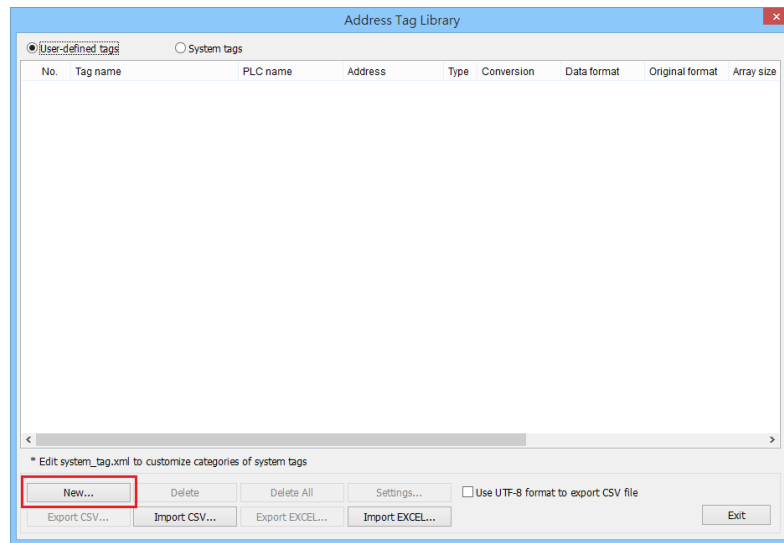
2. Open Address Tag Library, select **[User-defined tags]** and then click **[New]**.

3. Name: Enter the tag name.
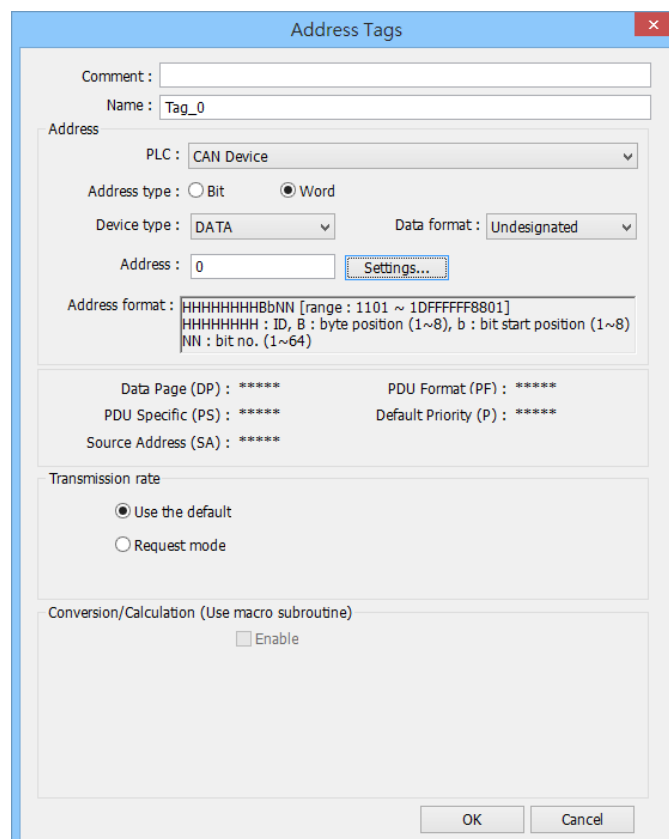
   PLC: Select the **SAE J1939**

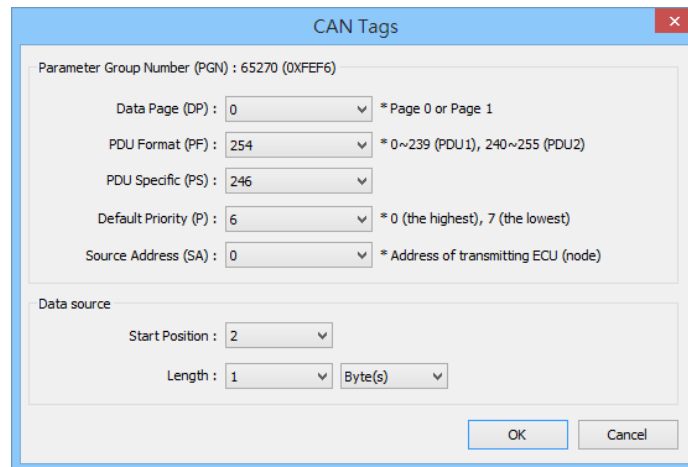   Address type: Select **Bit** or **Word**.

   Transmission rate:

   If **[Use the default]** is selected, then HMI will wait for the reply from CAN device.

   If **[Request mode]** is selected, then HMI will send polling packet.

   After entering the above information, click **[Settings]**.

4. Please set the following parameters according to the specification of the CAN device used.
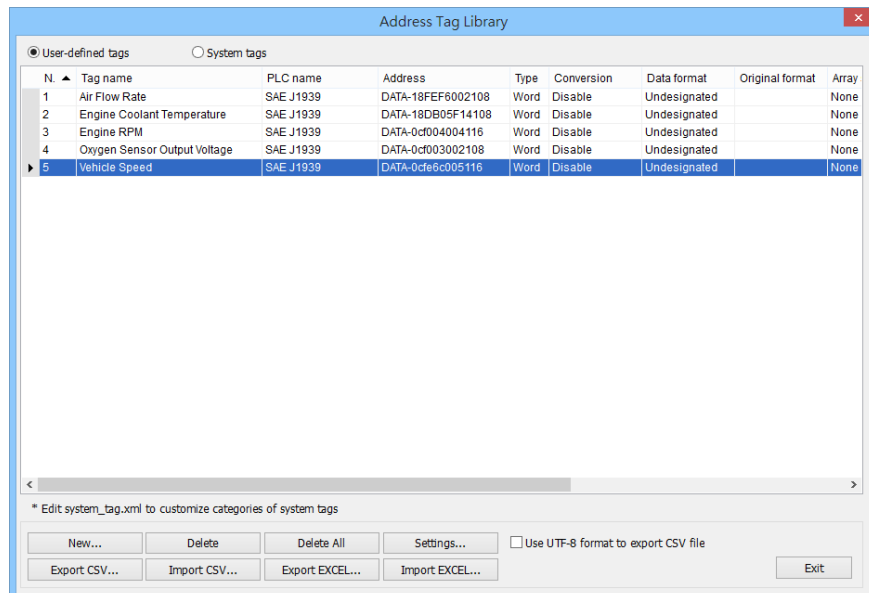
5. After building the tags click **[Exit]**.

Device Address:

Bit/Wor	Device type	Format	Memo
B	DATA_Bit	HHHHHHHBb	H: ID B: Byte position (1~8) b: Bit start position (1~8)
W	DATA	HHHHHHHBbNN	H: ID B: Byte position (1~8) b: Bit start position (1~8) NN: Bit no. (1~64)

Wiring Diagram:

CANBus

The serial port pin assignments may vary between HMI models, please click the following link for more information.

HMI		PLC
Link		CAN Bus Device
CAN-	←——————→	CAN-
CAN+	←——————→	CAN+
GND	←——————→	GND

To minimize signal reflection on the CAN bus network, termination resistors should be installed at both ends of the network, as shown in the following figure.