

CAN Bus 2.0A/2.0B General and SAE J1939

Symbolic

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		
Baud rate	250K	20K~1M	
Node ID	1	1~127	
Protocol	2.0a	2.0a / 2.0b	
Address	0x000 ~ 0x7ff		
Cycle time	0000 ~ 1000		Unit: ms
Code length range	0 ~ 8		Unit: bytes
Byte order	Little endian	Little endian , Big endian	

Online simulator	NO	Extend address mode	NO
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How to create address tags in tag manager:

1. Tag manager fills in the types of sending commands and receiving commands respectively.

Sae J1939 Symbolic

Protocol: 2.0a

Add

Delete

Copy

Paste

Name	Address	Cycle Time	Command Code Length	Command Code Data (hex)	Data
TX_0	601	0	4	40006201	<div>Detail...</div>
RX_0	581	0	4	4f006201	<div>Detail...</div>
TX_1	601	0	4	40006202	<div>Detail...</div>
RX_1	581	0	4	4f006202	<div>Detail...</div>
TX_2	601	0	4	2f006202	<div>Detail...</div>
RX_2	581	0	4	60006202	<div>Detail...</div>

Address range : (0x000 ~ 0x7ff) , Cycle time range : 0 ~ 1000 (ms)

Code length range : 0 ~ 8 (bytes)

Ok

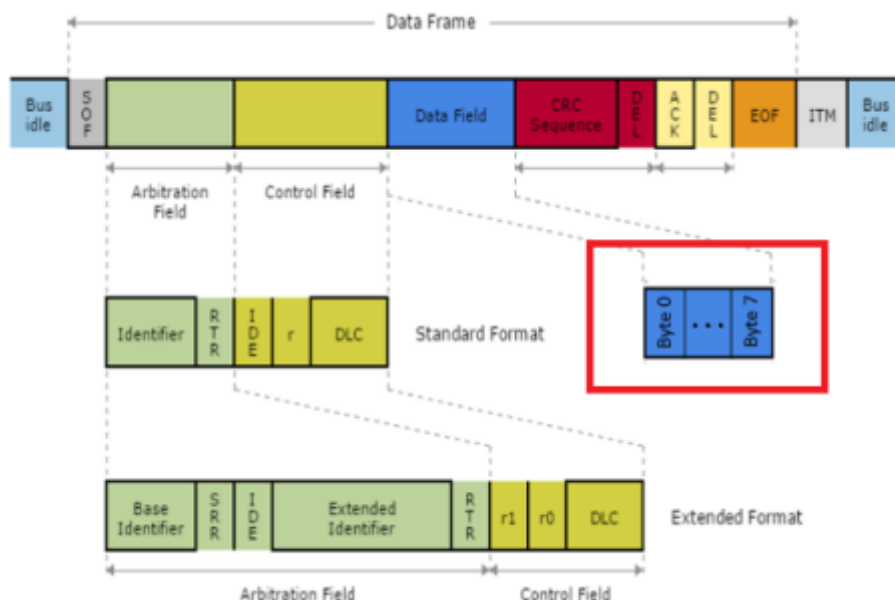
Cancel

Cycle Time:

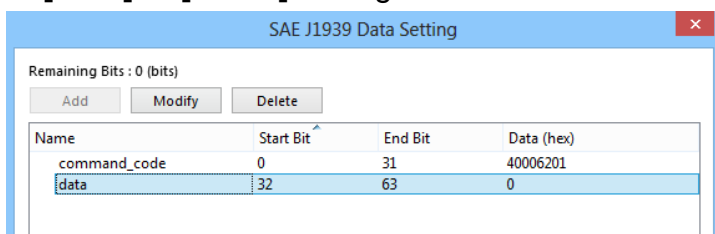
0: Do not actively send commands to the can device.

1~1000: Send commands to the can device every 1~1000ms.

Command Code Data (hex): The data field in the following structure.



2. [Data] -> [Detail] setting data information



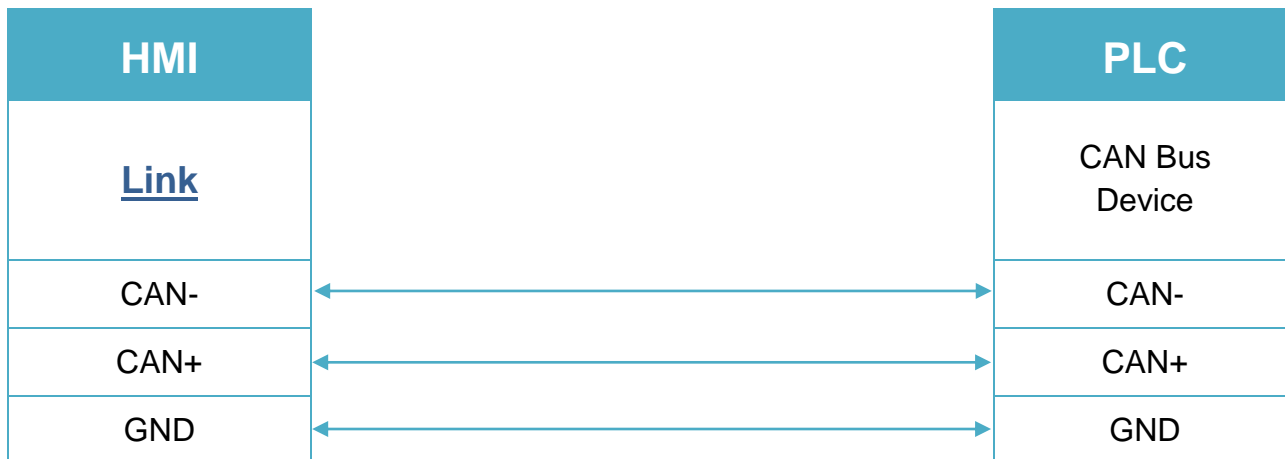
Device Address:

Bit/Word	Device type	Format	Memo
B	Write_data (#local)	BOOL	When cycle time is set to 0, this address is triggered to send commands.
W	Command code	According to settings	
W	Data	According to settings	

Wiring Diagram:

CANBus

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



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.

