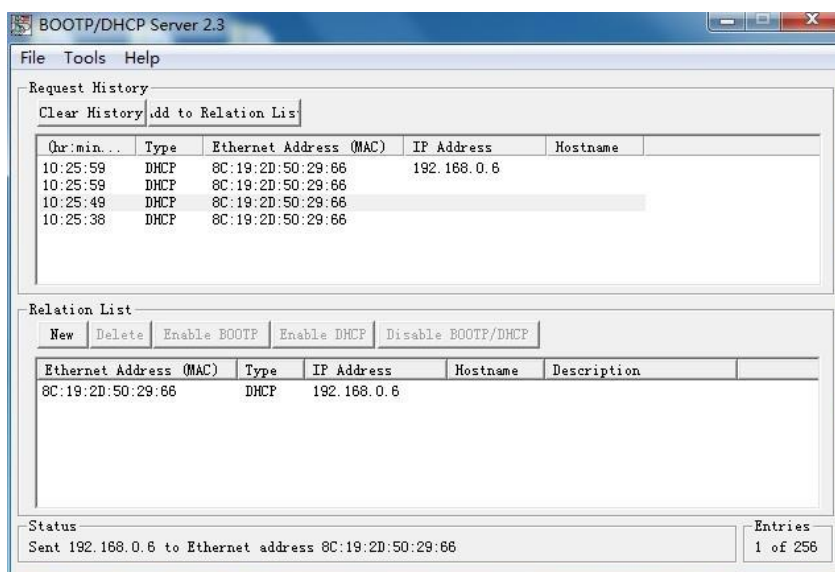


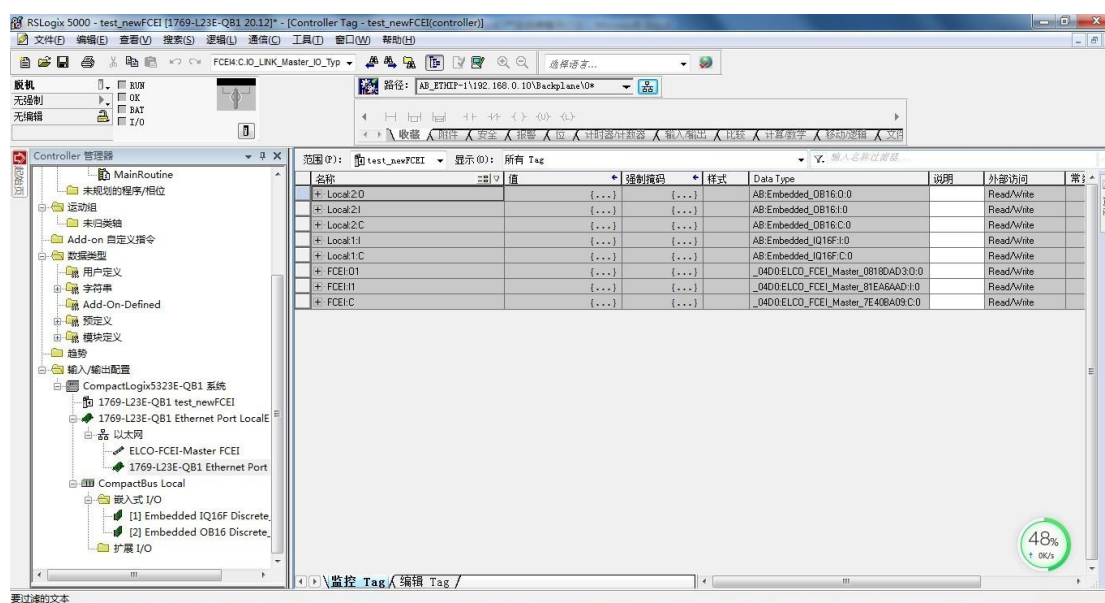
Setting of FCEI-8LKM-8A in AB software

This document briefly introduces the connection and parameter settings between FCEI-8LKM-8A and AB PLC. For detailed wiring and configuration information, please refer to the system manual of FCEI module.

1. First, use the 'BOOTP-DHCP Server' software of AB company to set the IP address of FCEI-8LKM-8A.

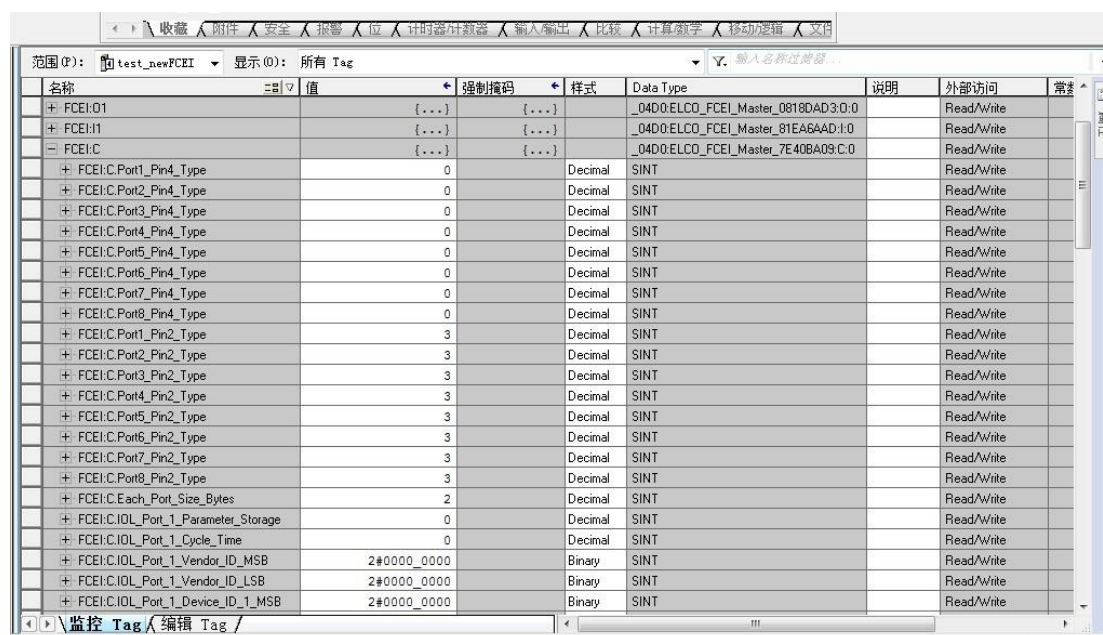


2. Install EDS file in PLC software RSLogix5000 or Studio5000 of Rockwell and add FCEI-8LKM-8A to EtherNet/IP network.



If the connection between FCEI-8LKM-8A and PLC is OK, the BF light of the FCEI-8LKM-8A will be green and always on.

- The port parameters of FCEI-8LKM-8A need to be set. Open the "Controller Tag" in the programming software and select the config byte of FCEI module to set.



名称	值	强制代码	样式	Data Type	说明	外部访问	常数
+ FCEI:01	{...}	{...}		_04D0:ELCO_FCEI_Master_0918DAD3:0:0	Read/Write		
+ FCEI:11	{...}	{...}		_04D0:ELCO_FCEI_Master_81EA6AAD:1:0	Read/Write		
- FCEI:C	{...}	{...}		_04D0:ELCO_FCEI_Master_7E40BA09:C:0	Read/Write		
+ FCEI:C.Port1_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port2_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port3_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port4_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port5_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port6_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port7_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port8_Pin4_Type	0		Decimal	SINT	Read/Write		
+ FCEI:C.Port1_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port2_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port3_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port4_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port5_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port6_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port7_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Port8_Pin2_Type	3		Decimal	SINT	Read/Write		
+ FCEI:C.Each_Port_Size_Bytes	2		Decimal	SINT	Read/Write		
+ FCEI:C.IOL_Port_1_Parameter_Storage	0		Decimal	SINT	Read/Write		
+ FCEI:C.IOL_Port_1_Cycle_Time	0		Decimal	SINT	Read/Write		
+ FCEI:C.IOL_Port_1_Vendor_ID_MSB	2#0000_0000		Binary	SINT	Read/Write		
+ FCEI:C.IOL_Port_1_Vendor_ID_LSB	2#0000_0000		Binary	SINT	Read/Write		
+ FCEI:C.IOL_Port_1_Device_ID_1_MSB	2#0000_0000		Binary	SINT	Read/Write		

- The definition of Pin4 of each port needs to be set according to the signal type (input, output, IO-Link) to which the port is connected. The programming software of AB cannot be set visually, so it is necessary to input this part according to the type code. The model code is as follows:

```

0,"<EMPTY>",
17,"Digital_Input",
18,"Digital_Output",
33,"IOL_I/O_01/01 Byte",
34,"IOL_I/O_02/02 Byte",
35,"IOL_I/O_04/04 Byte",
36,"IOL_I/O_08/08 Byte",
37,"IOL_I/O_16/16 Byte",
38,"IOL_I/O_24/24 Byte",
39,"IOL_I/O_32/32 Byte",
49,"LKHB_0808P_M12",
50,"LKHB_0008P_M12",
51,"LKHA_0800P_M8",

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52,"LKHA_0800P_M12",
53,"LKHA_1600P_M12",
54,"LKHA_0808P_M12",
55,"LKHA_16UP_M12",
56,"LKHA_0404P_M8",
57,"LKHA_08UP_M8",
58,"LKHA_0404P_M12",
59,"LKHA_08UP_M12",
60,"LKHA_16UP_M12_D",
61,"LKHA_16UN_M12",
62,"LKHA_1600N_M12",
63,"LKHA_088UP_M12",
64,"LKHA_088UN_M12";
65,"LKHA-08UN-M8",
66,"LKHA-0800N-M8",
67,"LKHA-0808P-M12-A",
68,"LKHA-0016P-M12-A",
69,"LKHA-0800P-QM",
70,"LKHA-044UP-QM",
71,"LKHA-0800N-QM",
72,"LKHA-044UN-QM",
73,"LKHA-1600P-Tx/Qx",
74,"LKHA-0808P-Tx/Qx",
75,"LKHA-0016P-Tx/Qx",
76,"LKHA-1600N-Tx/Qx",
77,"LKHA-0808N-Tx/Qx",
78,"LKHA-0016N-Tx/Qx",
79,"LKHA-3200P-Tx/Qx",
80,"LKHA-1616P-Tx/Qx",
81,"LKHA-0032P-Tx/Qx",

82,"LKHA-3200N-Tx/Qx",
83,"LKHA-1616N-Tx/Qx",
84,"LKHA-0032N-Tx/Qx",
85,"LKHA-04UA-Tx/Qx",
86,"LKHA-08UA-Tx/Qx";

For example, if Pin4 of Port1 connecting the switching input signal,

'FCEI:C.Port1 Pin4 Type' will be written to 17.

If Pin4 of Port2 connecting the IO-Link slave LKHA-16UP-M12, the value of

'FCEI:C.Port2 Pin4 Type' will be written to 55.

5. The Pin2 of each port also needs to set the corresponding value according to the connected signal type (input, output). The default value is 3, which means both input and output are both available.

1,"Digital_Input",
2,"Digital_Output",
3,"Digital_I/O_Universal";

6. According to the maximum number of bytes of the IO-Link slave connected to the IO-Link port, you need to select the byte length occupied by each port.
The default 'FCEI:C.Each_Port_Size_Bytes' is 2. This means that each port will occupy 2 bytes address.
7. For the sake of safety and stability, the internal parameter setting of FCEI-8LKM-8A will be changed only when it starts to establish communication with PLC. Therefore, after modifying the above parameters, the FCEI-8LKM-8A needs to be powered on again or reconnected after disconnecting from the PLC.