

Siemens S7 LOGO (ISO TCP)

HMI Factory Setting:

Controller IP Address: 192.168.0.1

Controller COM Port: 102

Controller Station Number: 2

Control Area / Status Area: DBW0 / DBW20

Connection

Standard Jumper Cable / Network Cable without jumper (Auto-detected by HMI)

Definition of PLC Read/Write Address

a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No.(n) Bank No.(m)			
Input Image	IW _n	IW 0 – IW 65534	Word	
	ID _n	ID 0 – ID 65532	Double Word	
Output Image	QW _n	QW 0 – QW 65534	Word	
	QD _n	QD 0 – QD 65532	Double Word	
Internal Bits	MW _n	MW 0 – MW 65534	Word	
	MD _n	MD 0 – MD 65532	Double Word	
Data Area	DB _m . DBW _n	DB 1. DBW 0 – DB 255. DBW 65534	Word	1
	DB _m . DBD _n	DB 1. DBD 0 – DB 255. DBW 65532	Double Word	1
Data Area (DB10)	DBW _n	DBW 0 – DBW 65534	Word	
	DBD _n	DBD 0 – DBD 65532	Double Word	
	VW _n	VW 0 – VW 65534	Word	
	VD _n	VD 0 – VD 65532	Double Word	
Timer	T _n	T 0 – T 65535	Word	2
Counter	C _n	C 0 – C 65535	Double Word	3

b. Contacts

Type	Format	Read/Write Range	Note
	Word No.(n) Bank No.(m) Bit No.(b)		
Input Image	In.b	I0.0 - I65535.7	
Output Image	Qn.b	Q0.0 - Q65535.7	
Internal Bits	Mn.b	M0.0 - M65535.7	
Data Area	DBm.DBXn.b	DB1.DBX0.0 – DB255.DBX65535.7	
Data Area (DB10)	DBXn.b	DBX0.0 – DBX65535.7	
	Vn.b	V0.0 – V65535.7	

 NOTE

- 1) Except register Tn and Cn , data type of register is Byte and its order is opposite to usual controller , for example :

- 1、IW3 is a word which combined from IB3 and IB4 , High Byte of IW3 is IB3 ; Low Byte of IW3 is IB4.
- 2、ID3 is Double Word which combined from IB3, IB4, IB5 and IB6, and its order from highest to lowest is IB3, IB4, IB5 and IB6.

And please be attentive to use these registers, because their Data type is different with Data Length, it will need more than one register for each access, for example:

- 1、AIW6 which Data Type is Byte and Data Length is 1 Word, when it used for one word Numeric Entry , it will occupy two addresses AIB6 and AIB7 .
- 2、MD12 which Data Type is Byte and Data Length is Double Word , when it used for one word Numeric Entry, it will occupy four addresses MB12,MB13,MB14 and MB15; But data only stored in MB14 and MB15.
- 3、IW3 which Data Type is Byte and Data Length is 1 Word , when it used for double word Numeric Entry, it will occupy for addresses IB3,IB4,IB5 and IB6 , order from highest to lowest byte is IB5,IB6,IB3 and IB4.