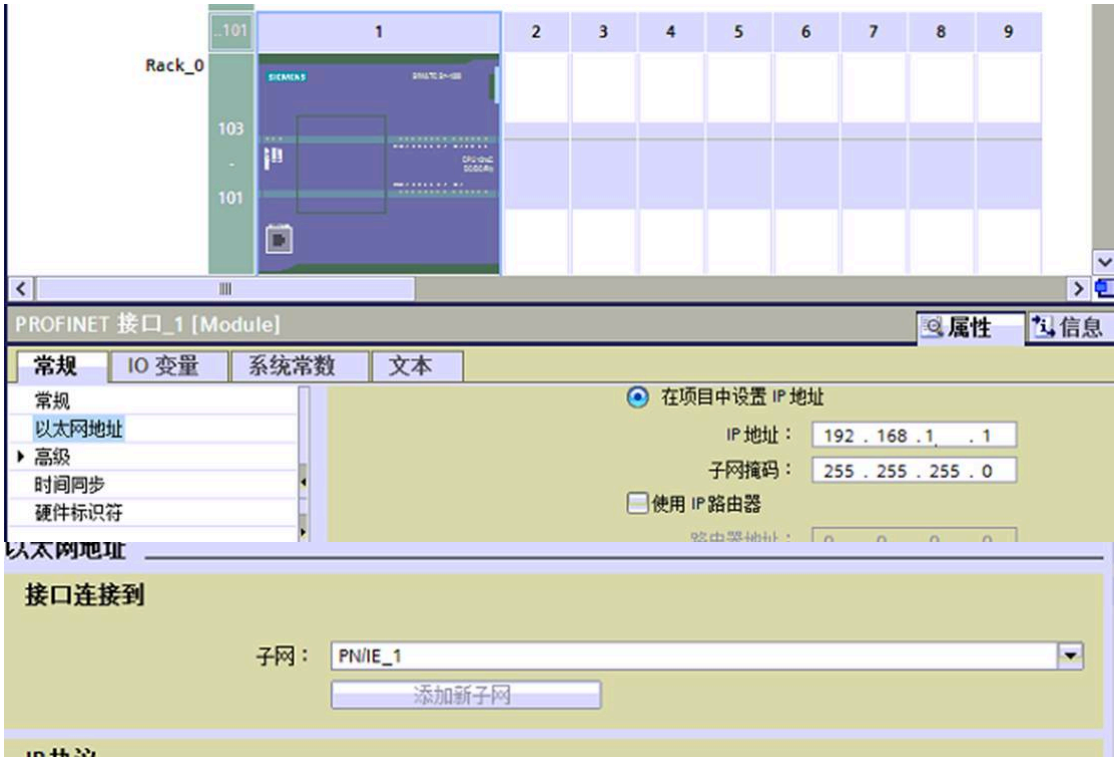
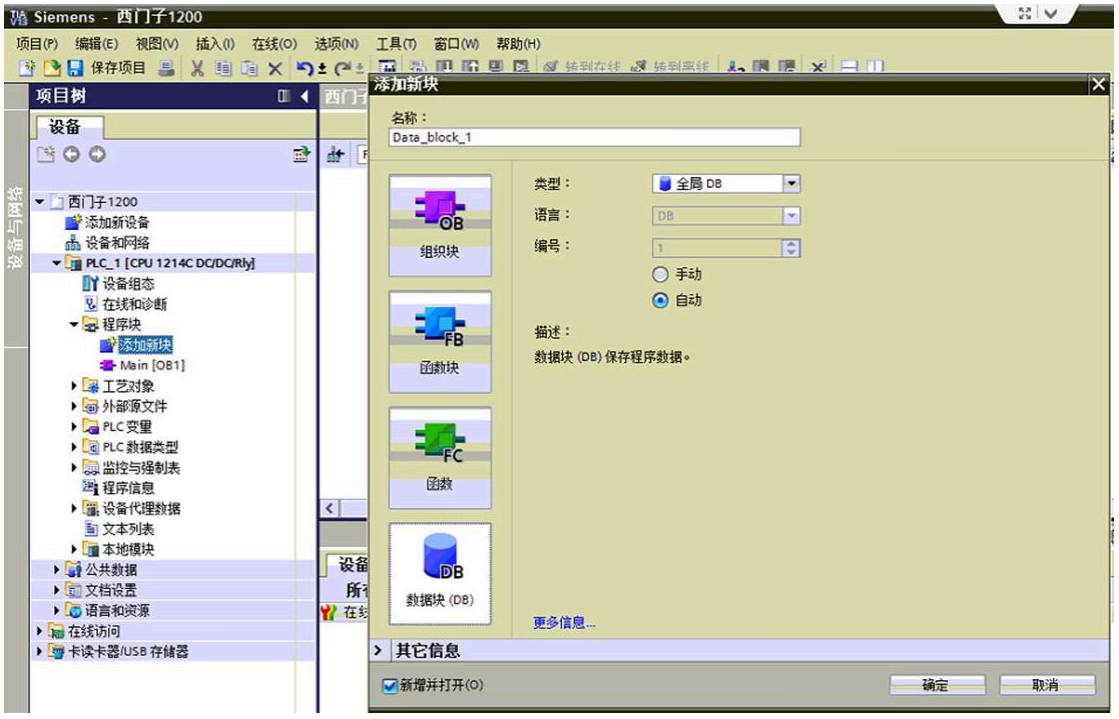
配置Client（主站）与西门子1200&1500PLC通讯

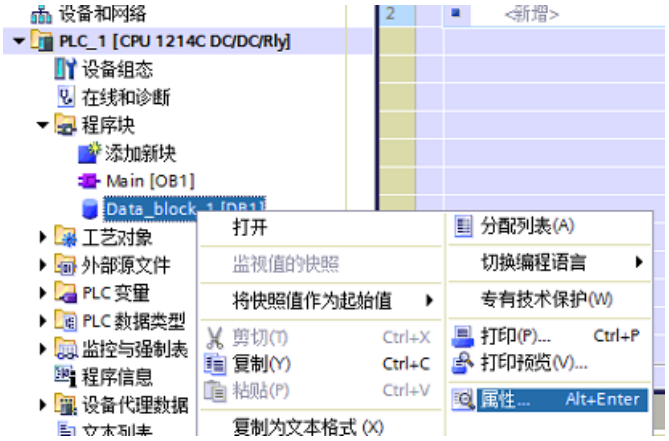
1. 设置IP地址，与网关通讯设置成相同的网段。



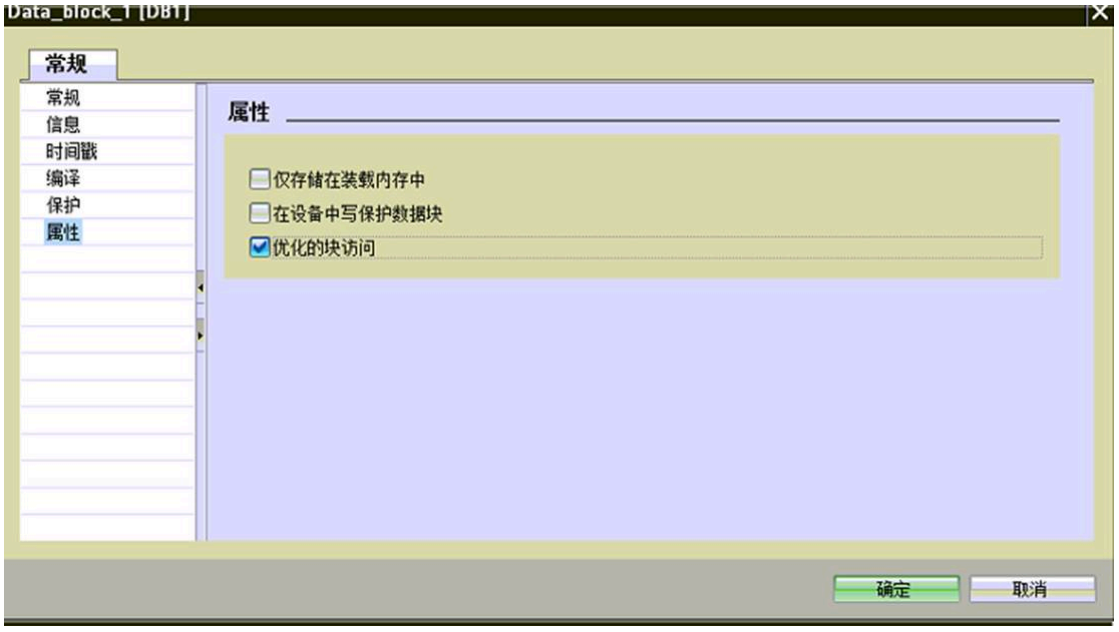
2. 建立与网关通讯的DB块数据。点击添加新快，选择数据块（DB）



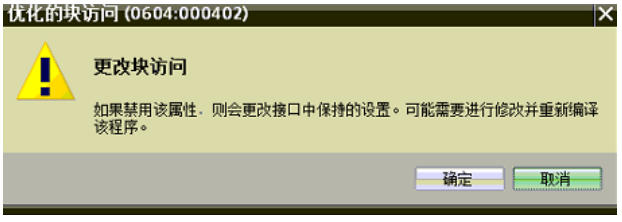
3. 修改所建立的DB块的属性，建立数据之前或之后修改都可以，修改目的是要保证数据块(DB)1是带地址的背景数据块。



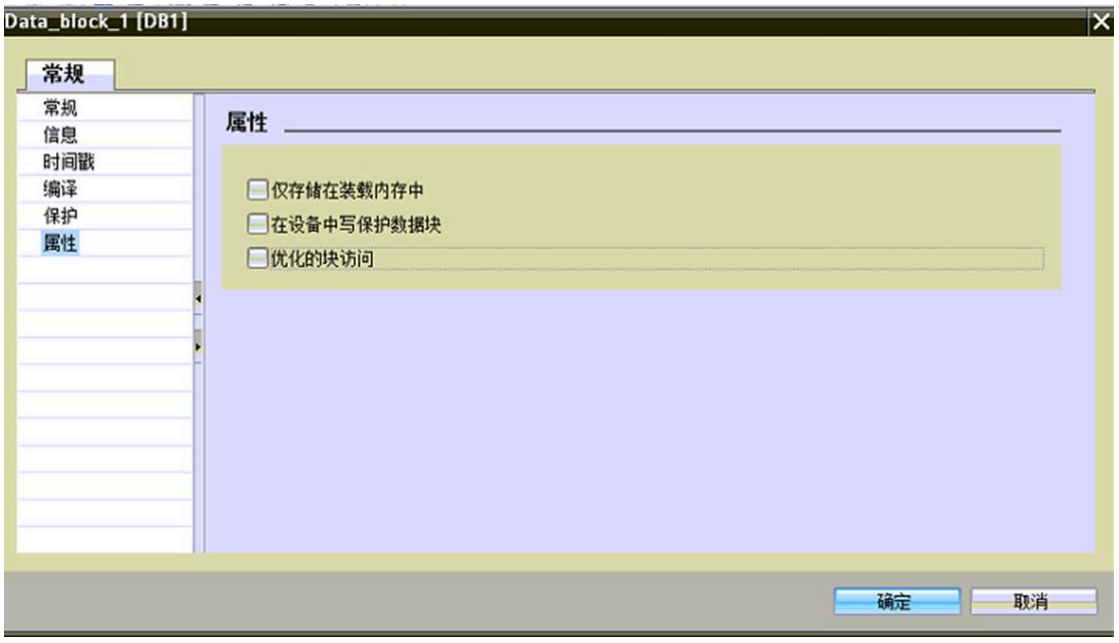
4. 点击属性后，把“优化的块访问”去掉勾选，默认是勾选的。



5. 点击确定，会弹出是否更改，点击确定。



6. 点击确定，去掉勾选项，然后确定数据块(DB)



7. 西门子1200系列DB块通讯的数据量显示如下，各种类型可同时传输。可以对不同的DB块进行操作。数组或者是单个的变量都支持，以最终地址为准。

西门子1200系列—CPU1214C

Data Block:

Address Type	Function	Data Type	Max Read	Max Write
DB	READ	BOOL	16	
	Write	BOOL		8
	READ	BYTE	30	
	Write	BYTE		30
	READ	DINT	7	
	Write	DINT		7
	READ	REAL	7	
	Write	REAL		7
	READ	INT	15	
	Write	INT		15
	READ	TIME	15	
	Write	TIME		15
	READ	COUNT	15	
	Write	COUNT		15

8. 举例：

布尔量

Data_block_1

	名称	数据类型	偏移量	启动值	保持性	可从 HMI ...	在 HMI ...	设置
	Static							
	DB_BOOL	Array[0..15] of Bool	...					
	DB_BOOL[0]	Bool	...	1				
	DB_BOOL[1]	Bool	...	1				
	DB_BOOL[2]	Bool	...	1				
	DB_BOOL[3]	Bool	...	1				
	DB_BOOL[4]	Bool	...	1				
	DB_BOOL[5]	Bool	...	1				
	DB_BOOL[6]	Bool	...	1				
0	DB_BOOL[7]	Bool	...	1				
1	DB_BOOL[8]	Bool	...	1				
2	DB_BOOL[9]	Bool	...	1				
3	DB_BOOL[10]	Bool	...	1				
4	DB_BOOL[11]	Bool	...	1				

Enable	Yes
Function Type	Read
IP Address	192.168.0.150
PLC Type	S7-300/S7-400/S7-1200/S7-1500/Drive
Rack	0
Slot	1
Data Type	BOOL
Address Type	Data Block (DB)
DB Number	1
Address	0
Quantity	16
Data Swap	No Change
Poll Interval	0
Internal Data Address	0
Cmd Errors Mapping Enabled	No
Cmd Errors Mapping Address	0
Desc	

Home / Internal Data View

Decimal Display | Hexadecimal Display | Float Display | ASCII Display | Double Float

Address	0	1	2	3	4	5
0	FFFF	0000	0000	0000	0000	0000
10	0000	0000	0000	0000	0000	0000
20	0000	0000	0000	0000	0000	0000
30	0000	0000	0000	0000	0000	0000
40	0000	0000	0000	0000	0000	0000
50	0000	0000	0000	0000	0000	0000
60	0000	0000	0000	0000	0000	0000
70	0000	0000	0000	0000	0000	0000
80	0000	0000	0000	0000	0000	0000
90	0000	0000	0000	0000	0000	0000

字节

	DB_BOOL[12]	Bool	...	1				
	DB_BOOL[13]	Bool	...	1				
	DB_BOOL[14]	Bool	...	1				
	DB_BOOL[15]	Bool	...	1				
	DB_BYTE	Array[0...29] of Byte	...					
	DB_BYTE[0]	Byte	...	16#77				
	DB_BYTE[1]	Byte	...	16#77				
	DB_BYTE[2]	Byte	...	16#77				
	DB_BYTE[3]	Byte	...	16#77				
	DB_BYTE[4]	Byte	...	16#77				
	DB_BYTE[5]	Byte	...	16#77				
	DB_BYTE[6]	Byte	...	16#77				
	DB_BYTE[7]	Byte	...	16#77				
	DB_BYTE[8]	Byte	...	16#77				

Enable	Yes
Function Type	Read
IP Address	192.168.0.150
PLC Type	S7-300/S7-400/S7-1200/S7-1500/Drive
Rack	0
Slot	1
Data Type	BYTE
Address Type	Data Block (DB)
DB Number	1
Address	2
Quantity	30
Data Swap	No Change
Poll Interval	0
Internal Data Address	0
Cmd Errors Mapping Enabled	No
Cmd Errors Mapping Address	0
Desc	

Decimal Display | Hexadecimal Display | Float Display | ASCII Display | Double Float

Address	0	1	2	3	4	5	6	7	8	9
0	7777	7777	7777	7777	7777	7777	7777	7777	7777	7777
10	7777	7777	7777	7777	7777	0000	0000	0000	0000	0000
20	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
30	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
40	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
50	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
60	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
70	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
80	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
90	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000

整数

47	DB_BYTE[27]	Byte	...	16#77	
48	DB_BYTE[28]	Byte	...	16#77	
49	DB_BYTE[29]	Byte	...	16#77	
50	DB_DINT	Array[0..6] of DInt	...		
51	DB_DINT[0]	DInt	...	-55566	
52	DB_DINT[1]	DInt	...	-55566	
53	DB_DINT[2]	DInt	...	-55566	
54	DB_DINT[3]	DInt	...	-55566	
55	DB_DINT[4]	DInt	...	-55566	

Enable	Yes
Function Type	Read
IP Address	192.168.0.150
PLC Type	S7-300/S7-400/S7-1200/S7-1500/Drive
Rack	0
Slot	1
Data Type	DINT
Address Type	Data Block (DB)
DB Number	1
Address	32
Quantity	7
Data Swap	No Change
Poll Interval	0
Internal Data Address	0
Cmd Errors Mapping Enabled	No
Cmd Errors Mapping Address	0
Desc	

Decimal Display | Hexadecimal Display | Float Display | ASCII Display | Double Float

Address	0	1	2	3	4	5	6	7	8	9
0	26F2	FFFF	26F2	FFFF	26F2	FFFF	26F2	FFFF	26F2	FFFF
10	26F2	FFFF	26F2	FFFF	0000	0000	0000	0000	0000	0000
20	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
30	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
40	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
50	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
60	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
70	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
80	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
90	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000

实数

Data_block_1

	名称	数据类型	偏移量	启动值	保持性	可从 HMI ...	在 HMI ...	设置值
57	DB_DINT[6]	DInt	...	-55566	☐	☑	☑	☐
58	DB_REAL	Array[0..6] of Real	...		☐	☑	☑	☐
59	DB_REAL[0]	Real	...	-88.7799	☐	☑	☑	☐
60	DB_REAL[1]	Real	...	-88.7799	☐	☑	☑	☐
61	DB_REAL[2]	Real	...	-88.7799	☐	☑	☑	☐
62	DB_REAL[3]	Real	...	-88.7799	☐	☑	☑	☐
63	DB_REAL[4]	Real	...	-88.7799	☐	☑	☑	☐
64	DB_REAL[5]	Real	...	-88.7799	☐	☑	☑	☐
65	DB_REAL[6]	Real	...	-88.7799	☐	☑	☑	☐
66	DB_INT	Array[0..14] of Int	...		☐	☑	☑	☐
67	DB_INT[0]	Int	...	-32768	☐	☑	☑	☐
68	DB_INT[1]	Int	...	-32768	☐	☑	☑	☐
69	DB_INT[2]	Int	...	-32768	☐	☑	☑	☐
70	DB_INT[3]	Int	...	-32768	☐	☑	☑	☐

Enable	Yes
Function Type	Read
IP Address	192.168.0.150
PLC Type	S7-300/S7-400/S7-1200/S7-1500/Drive
Rack	0
Slot	1
Data Type	REAL
Address Type	Data Block (DB)
DB Number	1
Address	60
Quantity	7
Data Swap	No Change
Poll Interval	0
Internal Data Address	0
Cmd Errors Mapping Enabled	No
Cmd Errors Mapping Address	0
Desc	

Decimal Display | Hexadecimal Display | Float Display | ASCII Display | Double Float

Address	0	1	2	3	4	5	6	7	8	9
0	-88.779900	-88.779900	-88.779900	-88.779900	-88.779900	-88.779900	-88.779900	0.000000	0.000000	0.000000
20	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
40	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
60	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
80	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000