

GW-7662 (Modbus RTU Master)
How to Communicate with Modbus slave?
Example for SIMATIC TIA portal

- [Preceding Operation](#)
- [Example 1: Reads and Writes DO data](#)
- [Example 2: Reads DI data](#)
- [Example 3: Reads and Writes AO data](#)
- [Example 4: Reads AI data](#)



- ✓ Check wire connection between GW-7662 & Modbus devices.

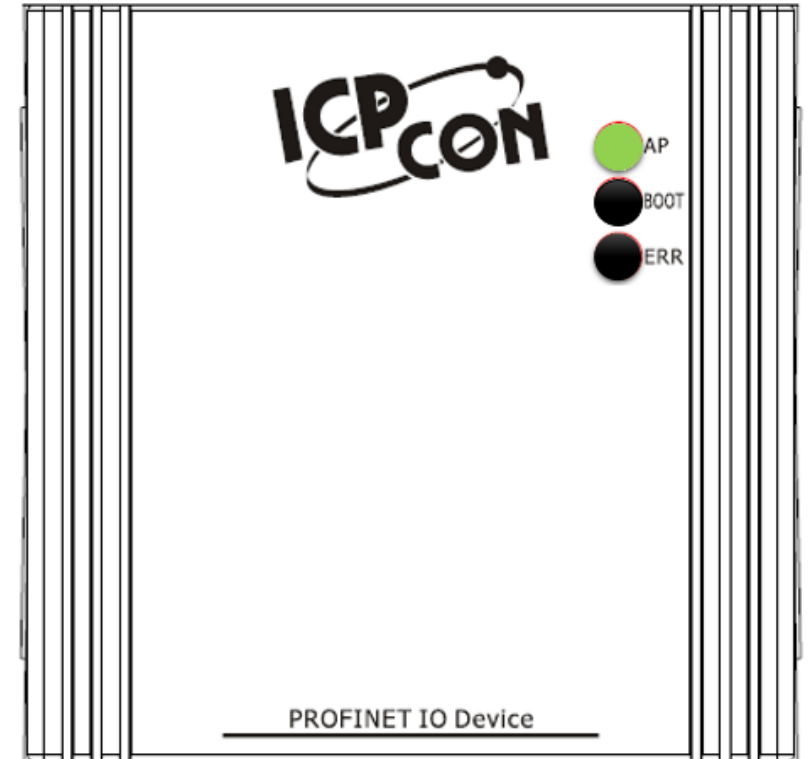
[How to check the wire connection?](#)

- ✓ Communication with PLC (LED => AP:ON, BOOT:OFF, ERR:OFF).

[How to configure GW-7662 in SIMATIC TIA portal?](#)

- ✓ Download PFN_Tool utility from FTP side

[PFN_Tool](#)

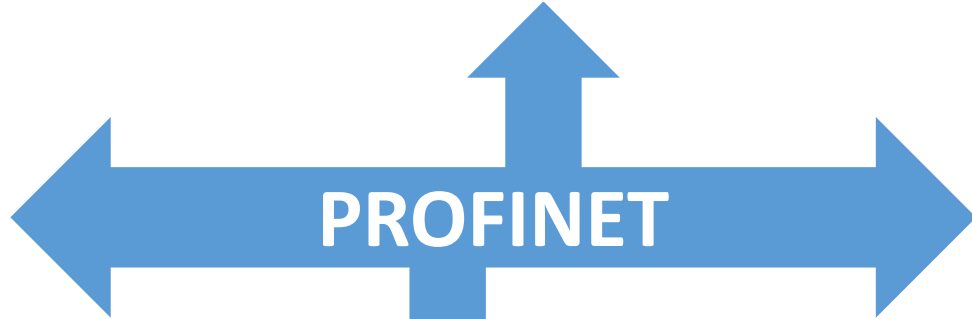
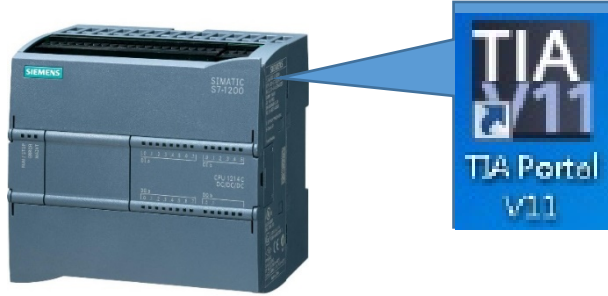


Read and Write 16-channel DO



SIMATIC S7-1200

PROFINET IO Controller
(Master)

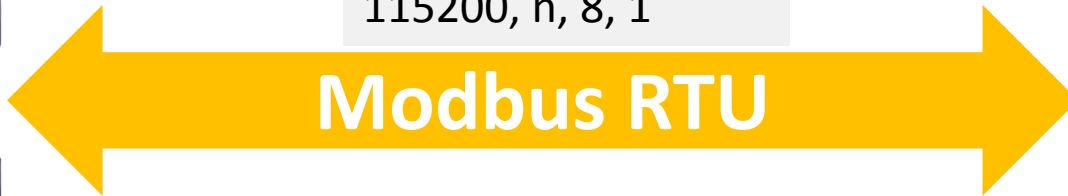


GW-7662



Comport Setting:

115200, n, 8, 1



DO module (RTU Slave)

- Modbus ID: 2
- Data Address: 00001~00016
- Data Length: 2



PROFINET IO device
(Slave)

Modbus RTU Master



PFN_Tool (Version 1.30)

Network Devices : IP: 192.168.77.88 MAC: B8-6B-23-14-E5-76 (Intel(R) Ethernet Connection)

1 Search Module Search Start

Type	Name	IP	Mask	Gateway
GW-7662				
SIMATIC-PC	ic			
S7-PC	ic			
SIMATIC-PC	r			

2 Double Click

3 Press 「Advanced Settings」 button

Device Basic Configuration

Device Information

Device Type : GW-7662
Device Name : gw-7662
IP Address : 0.0.0.0
Subnet Mask : 0.0.0.0
Gateway : 0.0.0.0
MAC Address : 12:34:56:78:9A:BC

Name Configure

Device Name : gw-7662

Network Configure

IP Address : 192.168.0.111
Subnet Mask : 255.255.255.0
Gateway : 192.168.0.254

Advanced

Device Advanced Configuration

Device Information

Device Type : GW-7662
Firmware Version : V1.0

Options

Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command

Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Modbus ID (dec) : 1 (1~247) PROFINET Info.
Start Address (dec) : 0 (0~65535) Total Input (Byte) : 8 Modify
Count (dec) : 1 (1~1024 Bits) Total Output (Byte) : 8 Delete
 Change Word Order (AABB CCDD -> CCDD AABB) System used: 8 Bytes

ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
----	----	-------------	-------	------------	-----------------------	------------------------

Suggested Module : RSW:0 Input:32Byte Output:32Byte

Read and Write 16-channel DO



Device Advanced Configuration

Device Information
Device Type : GW-7662
Firmware Version : V1.0

Options
Load File Save File Download Settings **Upload Settings**

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command

Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Modbus ID (dec) : 2 (1~247) PROFINET Info.
Start Address (dec) : 0 (0~65535) Total Input (Byte) : 10 Modify
Count (dec) : 16 (1~1024 Bits) Total Output (Byte) : 10 Delete
 Change Word Order (AABB CCDD -> CCDD AABB) System used: 8 Bytes

	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
1	2	15 (WDO)	0	16	No	N/A	8~9
▶ 2	2	1 (RDO)	0	16	No	8~9	N/A

Suggested Module : RSW:0 Input:32Byte Output:32Byte

1. Set Modbus settings

2. Add Modbus Command

3. Upload

Read and Write 16-channel DO



The first input 8 bytes and output 8 bytes are allocated for system. (1~8)
The 9th byte to the 32th byte are allocated for Modbus. (9~32)

Device overview							
...	Module	Rack	Slot	I address	Q address	Type	Order no.
	▼ GW-7662	0	0			GW-7662 2-Port De...	GW-7662
	▶ Internal	0	0 X1			GW-7662	
	RSW:0 Input:32Byte Output:32Byte_1	0	1	1...32	1...32	RSW:0 Input:32Byte...	

	Name	Address	Display format
1		%QB9	Hex
2		%QB10	Hex
3		%IB9	Hex
4		%IB10	Hex
5		<Add new>	

QB9 => used to write DO 1~8
QB10 => used to write DO 9~16
IB9 => used to read DO 1~8
IB10 => used to read DO 9~16



Original DO value

Mbsslav1 ID = 2

00001 = 0	00009 = 0
00002 = 0	00010 = 0
00003 = 0	00011 = 0
00004 = 0	00012 = 0
00005 = 0	00013 = 0
00006 = 0	00014 = 0
00007 = 0	00015 = 0
00008 = 0	00016 = 0

0x00 0x00

PLC Write 0x55 to DO 1~8
PLC Write 0xAA to DO 9~16

	N...	Address	Display format	Monitor value	Modify value
		%QB9	Hex	16#55	16#55
2		%QB10	Hex	16#AA	16#AA
3		<Add new>			

Mbsslav1 ID = 2

00001 = 1	00009 = 0
00002 = 0	00010 = 1
00003 = 1	00011 = 0
00004 = 0	00012 = 1
00005 = 1	00013 = 0
00006 = 0	00014 = 1
00007 = 1	00015 = 0
00008 = 0	00016 = 1

0x55 0xAA

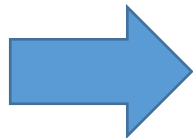


PLC Read 0x55 from DO 1~8
PLC Read 0xAA from DO 9~16

Mbslav1
ID = 2

00001 = 1	00009 = 0
00002 = 0	00010 = 1
00003 = 1	00011 = 0
00004 = 0	00012 = 1
00005 = 1	00013 = 0
00006 = 0	00014 = 1
00007 = 1	00015 = 0
00008 = 0	00016 = 1

0x00 0x00



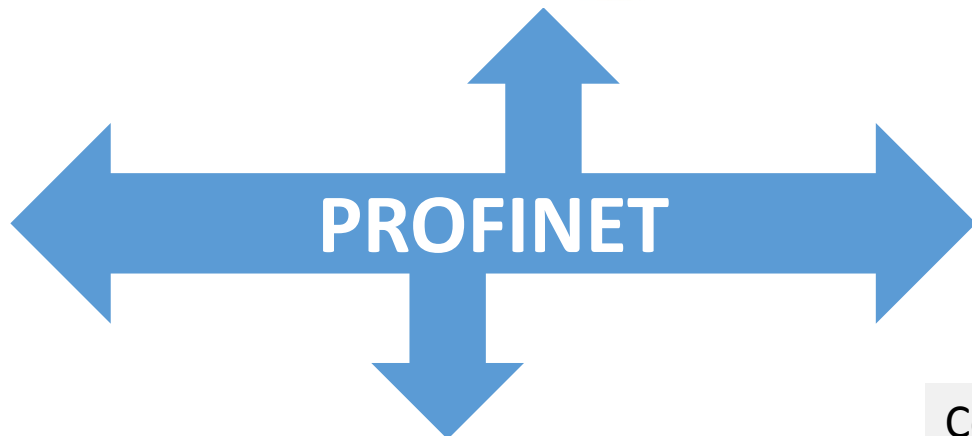
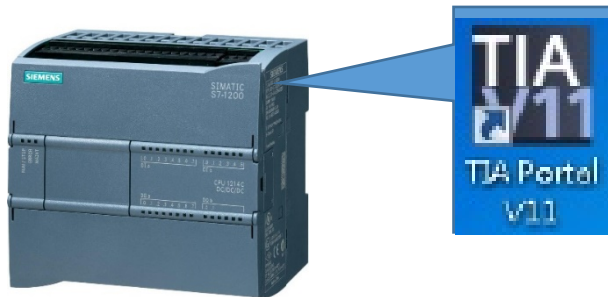
	i	N...	Address	Display format	Monitor value	Modify value
1			%QB9	Hex	16#55	16#55
2			%QB10	Hex	16#AA	16#AA
3			%IB9	Hex	16#55	
4			%IB10	Hex	16#AA	
5			<Add new>			

Read 14-channel DI

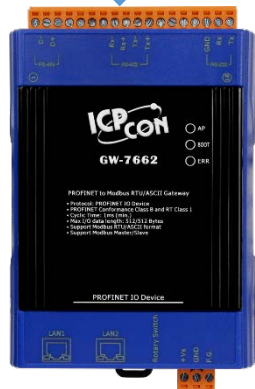


SIMATIC S7-1200

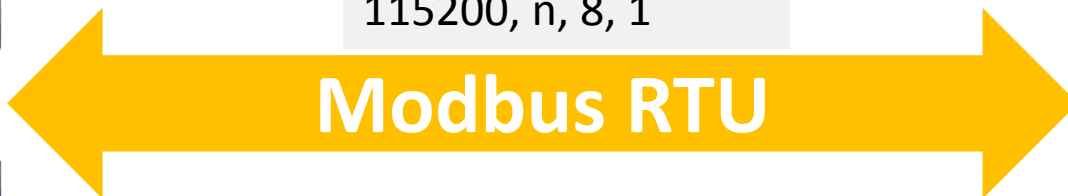
PROFINET IO Controller
(Master)



GW-7662



Comport Setting:
115200, n, 8, 1



DI module (RTU Slave)

- Modbus ID: 3
- Data Address: 10001~10014
- Data Length: 2



PROFINET IO device
(Slave)

Modbus RTU Master



PFN_Tool (Version 1.30)

Network Devices : IP: 192.168.77.88 MAC: B8-6B-23-14-E5-76 (Intel(R) Ethernet Connection)

1 Search Module Search Start

Type	Name	IP	Mask	Gateway
GW-7662				
SIMATIC-PC	ic			
S7-PC	ic			
SIMATIC-PC	r			

2 Double Click

Device Basic Configuration

Device Information
Device Type : GW-7662
Device Name : gw-7662
IP Address : 0.0.0.0
Subnet Mask : 0.0.0.0
Gateway : 0.0.0.0
MAC Address : 12:34:56:78:9A:BC

Name Configure
Device Name : gw-7662

Network Configure
IP Address : 192.168.0.111
Subnet Mask : 255.255.255.0
Gateway : 192.168.0.254

Advanced

Device Advanced Configuration

Device Information
Device Type : GW-7662
Firmware Version : V1.0

Options
Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters
Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command
Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Modbus ID (dec) : 1 (1~247) PROFINET Info.
Start Address (dec) : 0 (0~65535) Total Input (Byte) : 8 Modify
Count (dec) : 1 (1~1024 Bits) Total Output (Byte) : 8 Delete
 Change Word Order (AABB CCDD -> CCDD AABB) System used: 8 Bytes

ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
----	----	-------------	-------	------------	-----------------------	------------------------

3 Press 「Advanced Settings」 button

Suggested Module : RSW:0 Input:32Byte Output:32Byte

Read 14-channel DI



Device Advanced Configuration

Device Information
Device Type : GW-7662
Firmware Version : V1.0

Options
Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command

Function Code : FC2 Read multiple input discretes (1xxxx) for DI Add
Modbus ID (dec) : 3 (1~247) PROFINET Info. Total Input (Byte) : 10 Modify
Start Address (dec) : 0 (0~65535) Total Output (Byte) : 8 Delete
Count (dec) : 14 (1~1024 Bits) System used: 8 Bytes
 Change Word Order (AABB CCDD -> CCDD AABB)

	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
▶ 1	3	2 (RDI)	0	14	No	8~9	N/A

Suggested Module : RSW:0 Input:32Byte Output:32Byte

1. Set Modbus settings

2. Add Modbus Command

3. Upload

Read 14-channel DI



The first input 8 bytes and output 8 bytes are allocated for system. (1~8)
The 9th byte to the 32th byte are allocated for Modbus. (9~32)

Device overview							
...	Module	Rack	Slot	I address	Q address	Type	Order no.
	▼ GW-7662	0	0			GW-7662 2-Port De...	GW-7662
	▶ Internal	0	0 X1			GW-7662	
	RSW:0 Input:32Byte Output:32Byte_1	0	1	1...32	1...32	RSW:0 Input:32Byte...	

	N...	Address	Display format	Monitor value
1		%IB9	Hex	16#00
2		%IB10	Hex	16#00
3		%I9.0	Bool	FALSE
4		%I9.1	Bool	FALSE
5		%I9.2	Bool	FALSE
6		%I9.3	Bool	FALSE
7		%I9.4	Bool	FALSE
8		%I9.5	Bool	FALSE
9		%I9.6	Bool	FALSE
10		%I9.7	Bool	FALSE
11		%I10.0	Bool	FALSE
12		%I10.1	Bool	FALSE
13		%I10.2	Bool	FALSE
14		%I10.3	Bool	FALSE
15		%I10.4	Bool	FALSE
16		%I10.5	Bool	FALSE

IB9 => used to read DI 1~8
IB10 => used to read DI 9~14

I9.0~I9.7 => used to read DI 1~8
I10.0~I10.5 => used to read DI 9~14



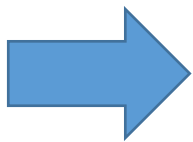
PLC Read 0x00 from DI 1~8
PLC Read 0x00 from DI 9~14

Original DI value

Mbslav1
ID = 3

10001 = 0	10009 = 0
10002 = 0	10010 = 0
10003 = 0	10011 = 0
10004 = 0	10012 = 0
10005 = 0	10013 = 0
10006 = 0	10014 = 0
10007 = 0	
10008 = 0	

0x00 0x00



	i	N...	Address	Display format	Monitor value	M
1			%IB9	Hex	16#00	
2			%IB10	Hex	16#00	
3			%I9.0	Bool	<input type="checkbox"/> FALSE	
4			%I9.1	Bool	<input type="checkbox"/> FALSE	
5			%I9.2	Bool	<input type="checkbox"/> FALSE	
6			%I9.3	Bool	<input type="checkbox"/> FALSE	
7			%I9.4	Bool	<input type="checkbox"/> FALSE	
8			%I9.5	Bool	<input type="checkbox"/> FALSE	
9			%I9.6	Bool	<input type="checkbox"/> FALSE	
10			%I9.7	Bool	<input type="checkbox"/> FALSE	
11			%I10.0	Bool	<input type="checkbox"/> FALSE	
12			%I10.1	Bool	<input type="checkbox"/> FALSE	
13			%I10.2	Bool	<input type="checkbox"/> FALSE	
14			%I10.3	Bool	<input type="checkbox"/> FALSE	
15			%I10.4	Bool	<input type="checkbox"/> FALSE	
16			%I10.5	Bool	<input type="checkbox"/> FALSE	



PLC Read 0xAB from DI 1~8
PLC Read 0x2A from DI 9~14

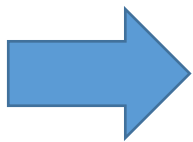
Change DI value

Mbslav1

ID = 3

10001 = 1	10009 = 0
10002 = 1	10010 = 1
10003 = 0	10011 = 0
10004 = 1	10012 = 1
10005 = 0	10013 = 0
10006 = 1	10014 = 1
10007 = 0	
10008 = 1	

0xAB 0x2A



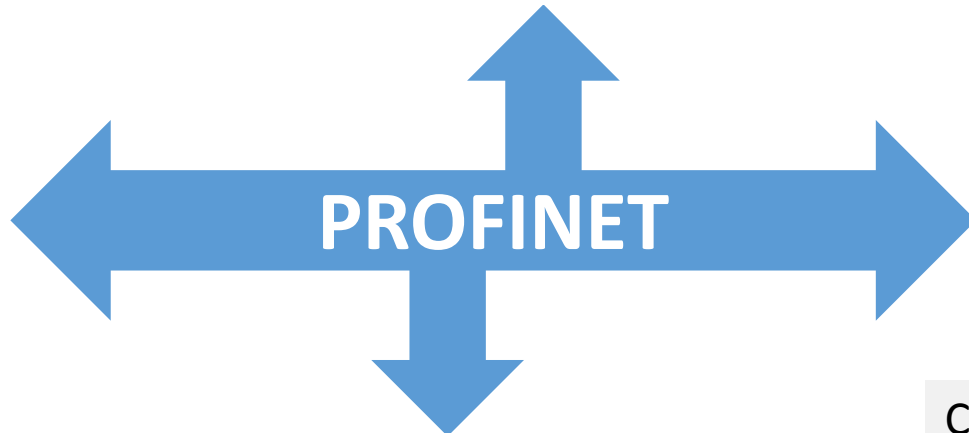
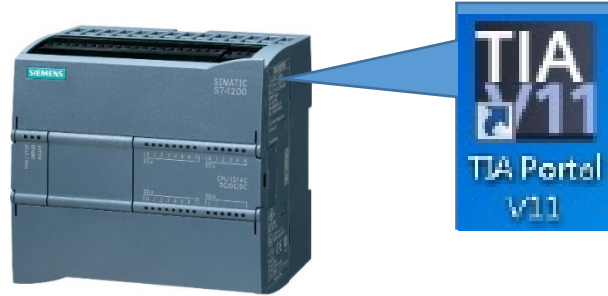
	i	N...	Address	Display format	Monitor value	M
1			%B9	Hex	16#AB	
2			%B10	Hex	16#2A	
3			%I9.0	Bool	<input checked="" type="checkbox"/> TRUE	
4			%I9.1	Bool	<input checked="" type="checkbox"/> TRUE	
5			%I9.2	Bool	<input type="checkbox"/> FALSE	
6			%I9.3	Bool	<input checked="" type="checkbox"/> TRUE	
7			%I9.4	Bool	<input type="checkbox"/> FALSE	
8			%I9.5	Bool	<input checked="" type="checkbox"/> TRUE	
9			%I9.6	Bool	<input type="checkbox"/> FALSE	
10			%I9.7	Bool	<input checked="" type="checkbox"/> TRUE	
11			%I10.0	Bool	<input type="checkbox"/> FALSE	
12			%I10.1	Bool	<input checked="" type="checkbox"/> TRUE	
13			%I10.2	Bool	<input type="checkbox"/> FALSE	
14			%I10.3	Bool	<input checked="" type="checkbox"/> TRUE	
15			%I10.4	Bool	<input type="checkbox"/> FALSE	
16			%I10.5	Bool	<input checked="" type="checkbox"/> TRUE	

Read and Write 3-channel AO



SIMATIC S7-1200

PROFINET IO Controller
(Master)

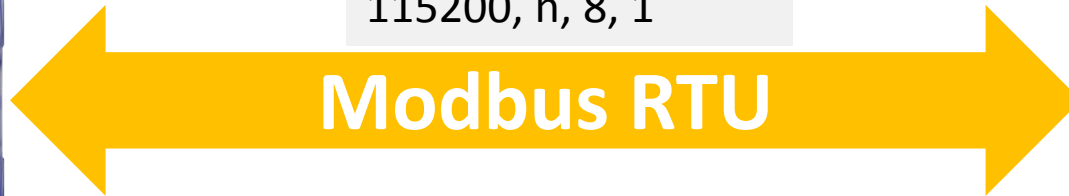


GW-7662



Comport Setting:

115200, n, 8, 1



AO module (RTU Slave)

- Modbus ID: 4
- Data Address: 40001~40003
- Data Length: 3



**PROFINET IO device
(Slave)**

Modbus RTU Master



PFN_Tool (Version 1.30)

Network Devices : IP: 192.168.77.88 MAC: B8-6B-23-14-E5-76 (Intel(R) Ethernet Connection)

1 Search Module Search Start

Type	Name	IP	Mask	Gateway
GW-7662				
SIMATIC-PC				
S7-PC				
SIMATIC-PC				

2 Double Click

3 Press 「Advanced Settings」 button

Device Basic Configuration

Device Information

Device Type : GW-7662
Device Name : gw-7662
IP Address : 0.0.0.0
Subnet Mask : 0.0.0.0
Gateway : 0.0.0.0
MAC Address : 12:34:56:78:9A:BC

Name Configure

Device Name : gw-7662

Network Configure

IP Address : 192.168.0.111
Subnet Mask : 255.255.255.0
Gateway : 192.168.0.254

Advanced

Device Advanced Configuration

Device Information

Device Type : GW-7662
Firmware Version : V1.0

Options

Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command

Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Modbus ID (dec) : 1 (1~247) PROFINET Info.
Start Address (dec) : 0 (0~65535) Total Input (Byte) : 8 Modify
Count (dec) : 1 (1~1024 Bits) Total Output (Byte) : 8 Delete
 Change Word Order (AABB CCDD -> CCDD AABB) System used: 8 Bytes

ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
----	----	-------------	-------	------------	-----------------------	------------------------

Suggested Module : RSW:0 Input:32Byte Output:32Byte



Device Advanced Configuration

Device Information
Device Type : GW-7662
Firmware Version : V1.0

Options
Load File Save File Download Settings **Upload Settings**

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command

Function Code : FC3 Read multiple registers (4xxxx) for AO Add
Modbus ID (dec) : 4 (1~247) PROFINET Info. Total Input (Byte) : 14 Modify
Start Address (dec) : 0 (0~65535) Total Output (Byte) : 14 Delete
Count (dec) : 3 (1~64 Words) System used: 8 Bytes
 Change Word Order (AABB CCDD -> CCDD AABB)

	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
1	4	16 (WAO)	0	3	No	N/A	8~13
▶ 2	4	3 (RAO)	0	3	No	8~13	N/A

Suggested Module : RSW:0 Input:32Byte Output:32Byte

1. Set Modbus settings

2. Add Modbus Command

3. Upload



The first input 8 bytes and output 8 bytes are allocated for system. (1~8)
The 9th byte to the 32th byte are allocated for Modbus. (9~32)

Device overview							
...	Module	Rack	Slot	I address	Q address	Type	Order no.
	▼ GW-7662	0	0			GW-7662 2-Port De...	GW-7662
	▶ Internal	0	0 X1			GW-7662	
	RSW:0 Input:32Byte Output:32Byte_1	0	1	1...32	1...32	RSW:0 Input:32Byte...	

	i	...	Address	Display format
1		"...	%QW9	Hex
2			%QW11	Hex
3			%QW13	Hex
4			%IW9	Hex
5			%IW11	Hex
6			%IW13	Hex

QW9 => used to write AO 1
QW11 => used to write AO 2
QW13 => used to write AO 3

IW9 => used to read AO 1
IW11 => used to read AO 2
IW13 => used to read AO 3



Original AO value

Window: Mbsla... ID = 4

40001	=	0x0000
40002	=	0x0000
40003	=	0x0000

PLC Write 0x1234 to AO 1
PLC Write 0x5678 to AO 2
PLC Write 0x9ABC to AO 3

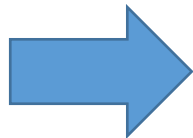
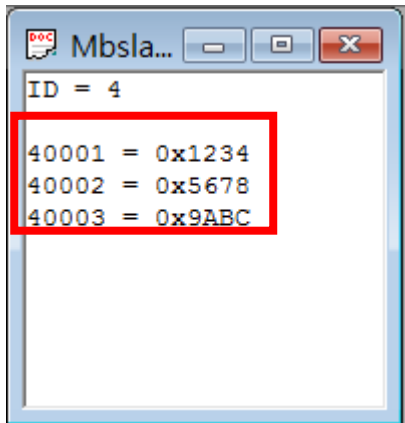
	i	...	Address	Display format	Monitor value	Modify value
1		"...	%QW9	Hex	16#1234	16#1234
2			%QW11	Hex	16#5678	16#5678
3			%QW13	Hex	16#9ABC	16#9ABC

Window: Mbsla... ID = 4

40001	=	0x1234
40002	=	0x5678
40003	=	0x9ABC



PLC Read 0x1234 from AO 1
PLC Read 0x5678 from AO 2
PLC Read 0x9ABC from AO 3



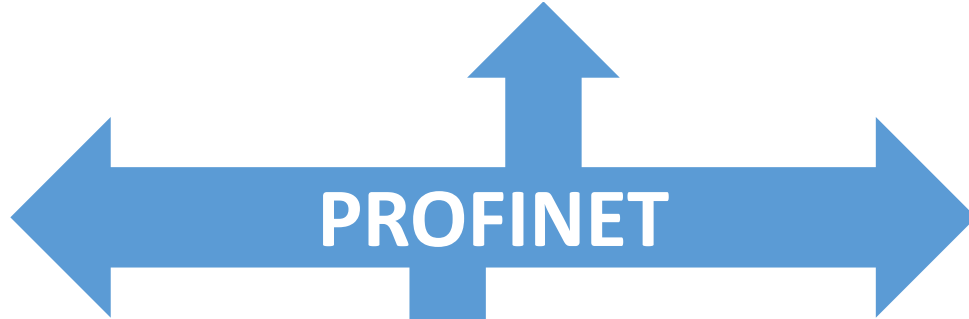
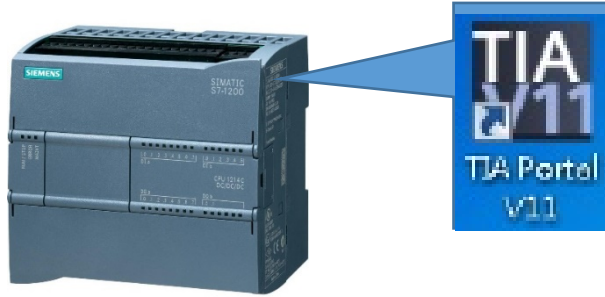
	i	...	Address	Display format	Monitor value	Modify value
1		"...	%QW9	Hex	16#1234	16#1234
2			%QW11	Hex	16#5678	16#5678
3			%QW13	Hex	16#9ABC	16#9ABC
4			%IW9	Hex	16#1234	
5			%IW11	Hex	16#5678	
6			%IW13	Hex	16#9ABC	

Read 4-channel AI



SIMATIC S7-1200

PROFINET IO Controller
(Master)



PROFINET

GW-7662



Comport Setting:

115200, n, 8, 1

Modbus RTU

AI module (RTU Slave)

- Modbus ID: 5
- Data Address: 30001~30004
- Data Length: 4



PROFINET IO device
(Slave)

Modbus RTU Master

Read 4-channel AI



PFN_Tool (Version 1.30)

Network Devices : IP: 192.168.77.88 MAC: B8-6B-23-14-E5-76 (Intel(R) Ethernet Connection)

1 Search Module

Type	Name	IP	Mask	Gateway
GW-7662				
SIMATIC-PC				
S7-PC				
SIMATIC-PC				

2 Double Click

3 Press 「Advanced Settings」 button

Device Advanced Configuration

Device Information
Device Type : GW-7662
Firmware Version : V1.0

Options
Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters
Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command
Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Modbus ID (dec) : 1 (1~247) PROFINET Info.
Start Address (dec) : 0 (0~65535) Total Input (Byte) : 8 Modify
Count (dec) : 1 (1~1024 Bits) Total Output (Byte) : 8 Delete
 Change Word Order (AABB CCDD -> CCDD AABB) System used: 8 Bytes

ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
----	----	-------------	-------	------------	-----------------------	------------------------

Suggested Module : RSW:0 Input:32Byte Output:32Byte

Read 4-channel AI



Device Advanced Configuration

Device Information
Device Type : GW-7662
Firmware Version : V1.0

Options
Load File Save File Download Settings **Upload Settings**

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Format : RTU Byte Order : Little Endian(Intel) Polling Interval (ms) : 500
Modbus Type : Master I/O Safe Mode : Last Value Query Timeout (ms) : 500
Baudrate : 115200
Line Control : n, 8, 1 Modbus Device ID (dec) : 1 (1~247)

Request Command

Function Code : FC4 Read multiple input registers (3xxxx) for AI Add
Modbus ID (dec) : 5 (1~247) PROFINET Info.
Start Address (dec) : 0 (0~65535) Total Input (Byte) : 16 Modify
Count (dec) : 4 (1~64 Words) Total Output (Byte) : 8 Delete
 Change Word Order (AABB CCDD -> CCDD AABB) System used: 8 Bytes

	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
▶ 1	5	4 (RAI)	0	4	No	8~15	N/A

Suggested Module : RSW:0 Input:32Byte Output:32Byte

1. Set Modbus settings

2. Add Modbus Command

3. Upload

Read 4-channel AI



The first input 8 bytes and output 8 bytes are allocated for system. (1~8)
The 9th byte to the 32th byte are allocated for Modbus. (9~32)

Device overview							
...	Module	Rack	Slot	I address	Q address	Type	Order no.
	▼ GW-7662	0	0			GW-7662 2-Port De...	GW-7662
	▶ Internal	0	0 X1			GW-7662	
	RSW:0 Input:32Byte Output:32Byte_1	0	1	1...32	1...32	RSW:0 Input:32Byte...	

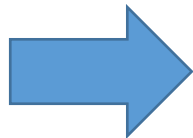
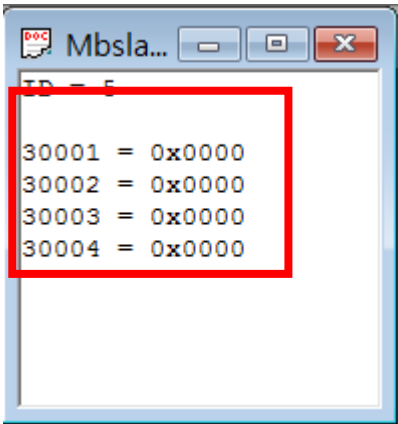
	i	...	Address	Display format	Monitor va
1			%IW9	Hex	16#0000
2			%IW11	Hex	16#0000
3			%IW13	Hex	16#0000
4			%IW15	Hex	16#0000

IW9 => used to read AI 1
IW11 => used to read AI 2
IW13 => used to read AI 3
IW15 => used to read AI 4



PLC Read 0x0000 from AI 1
PLC Read 0x0000 from AI 2
PLC Read 0x0000 from AI 3
PLC Read 0x0000 from AI 4

Original AI value

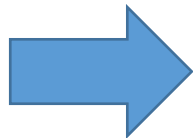
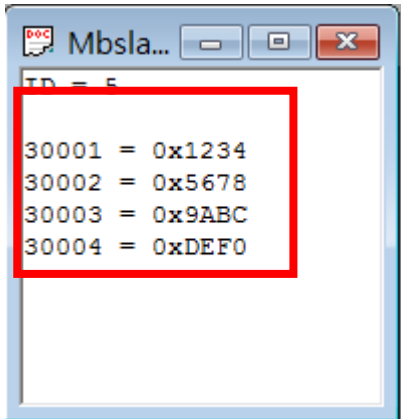


	i	...	Address	Display format	Monitor value
1			%IW9	Hex	16#0000
2			%IW11	Hex	16#0000
3			%IW13	Hex	16#0000
4			%IW15	Hex	16#0000



PLC Read 0x1234 from AI 1
PLC Read 0x5678 from AI 2
PLC Read 0x9ABC from AI 3
PLC Read 0xDEF0 from AI 4

Change AI value



	i	...	Address	Display format	Monitor value
1			%IW9	Hex	16#1234
2			%IW11	Hex	16#5678
3			%IW13	Hex	16#9ABC
4			%IW15	Hex	16#DEF0