

GW-7663 (Modbus TCP Client)
How to Communicate with Modbus server?
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](#)



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

[How to configure GW-7663 in SIMATIC TIA portal?](#)

✓ Download PFN_Tool utility from FTP side

[PFN_Tool](#)

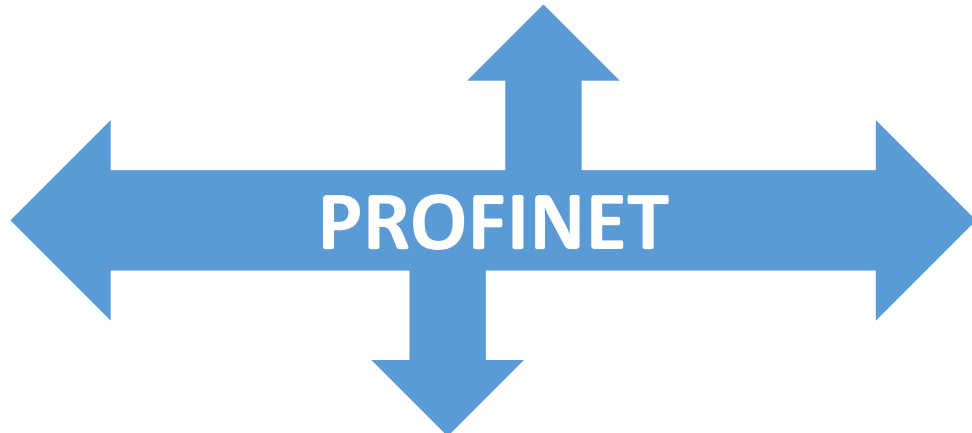
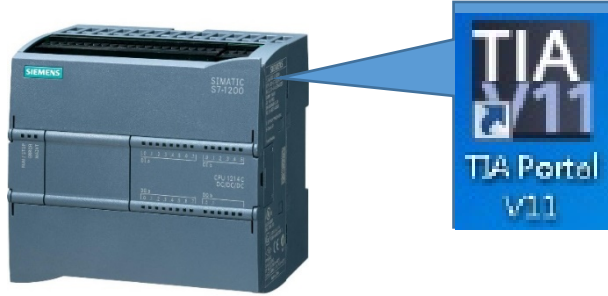


Read and Write 16-channel DO



SIMATIC S7-1200

PROFINET IO Controller
(Master)



GW-7663



DO module (TCP server)

- IP: 192.168.77.88
- Modbus ID: 2
- Data Address: 00001~00016
- Data Length: 2



PROFINET IO device (Slave) Modbus TCP Client



PFN_Tool (Version 1.31)

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
S7-1200				
GW-7663				

2 Double Click

Device Basic Configuration

Device Information

Device Type : GW-7663
 Device Name : gw-7663
 IP Address : 0.0.0.0
 Subnet Mask : 0.0.0.0
 Gateway Address : 00:0D:E0:17:00:AC

Name Configure

Device Name : gw-7663

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-7663
 Firmware Version : V1.0

Options
 Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Type : Master(Client) Polling Interval (ms) : 500
 Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000
 I/O Safe Mode : Last Value TCP Connect Num : 1
 Modbus Device ID (dec) : 1

Server settings.
 Server NO. 0 OK
 IP : 192 . 168 . 0 . 1
 Re-Connect Time (ms) : 5000

Request Command

Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
 Server NO. 0
 Modbus ID (dec) : 1 (1~247)
 Start Address (dec) : 0 (0~65535)
 Count (dec) : 1 (1~1024 Bits)

PROFINET Info.
 Total Input (Byte) : 8 Modify
 Total Output (Byte) : 8 Delete
 System used: 8 Bytes

Change Word Order (AABB CCDD -> CCDD AABB)

Server NO.	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 and Write 16-channel DO



Device Advanced Configuration

Device Information
Device Type : GW-7663
Firmware Version : V1.0

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

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Type : Master(Client) Polling Interval (ms) : 500
Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000
I/O Safe Mode : Last Value TCP Connect Num : 1
Modbus Device ID (dec) : 1

Server settings.
Server NO. 0 OK
IP : 192 . 168 . 77 . 88
Re-Connect Time (ms) : 5000

Request Command

Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Server NO. 0 PROFINET Info.
Modbus ID (dec) : 2 (1~247) Total Input (Byte) : 10 Modify
Start Address (dec) : 0 (0~65535) Total Output (Byte) : 10 Delete
Count (dec) : 16 (1~1024 Bits) System used: 8 Bytes
 Change Word Order (AABB CCDD -> CCDD AABB)

	Server NO.	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
1	0	2	15 (WDO)	0	16	No	N/A	8~9
▶ 2	0	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. (64~71)
The 9th byte to the 32th byte are allocated for Modbus. (72~95)

Module	Rack	Slot	I address	Q address	Type	Order no.
GW-7663	0	0			GW-7663 2-Port De...	GW-7663
Internal	0	0 X1			GW-7663	
RSW:0 Input:32Byte Output:...	0	1	64...95	64...95	RSW:0 Input:32Byte...	

i	Name	Address	Display
1		%QB72	Hex
2		%QB73	Hex
3		%IB72	Hex
4		%IB73	Hex

QB72 => used to write DO 1~8
QB73 => used to write DO 9~16

IB72 => used to read DO 1~8
IB73 => used to read DO 9~16



Original DO value

Mbslav1
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

	i	...	Address	Display format	Monitor value	Modify value
1			%QB72	Hex	16#55	16#55
2			%QB73	Hex	16#AA	16#AA

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

0x55 0xAA

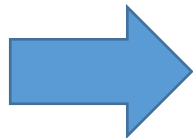


PLC Read 0x55 from DO 1~8
PLC Read 0xAA from DO 9~16

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



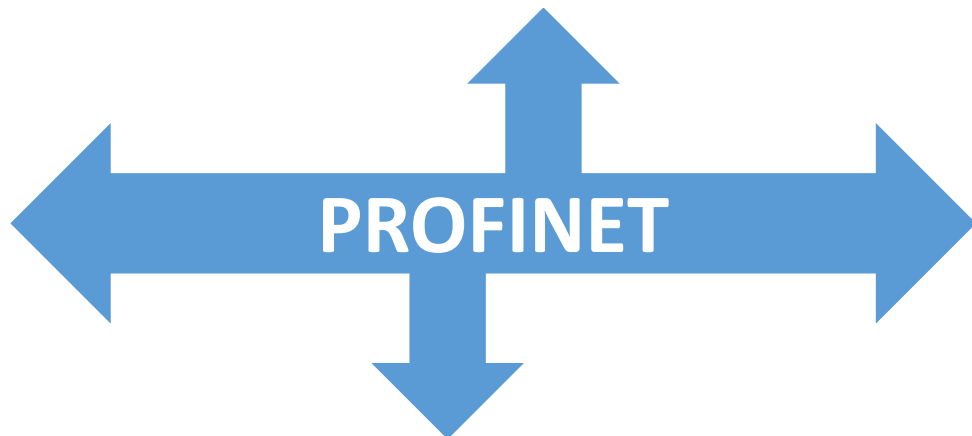
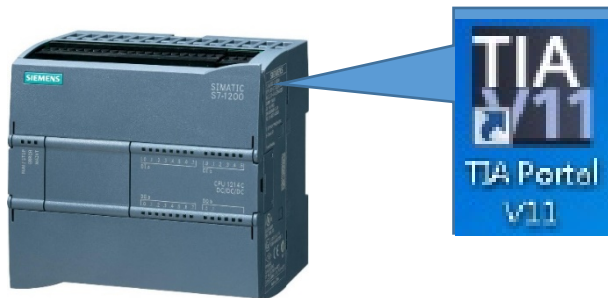
	i	...	Address	Display format	Monitor value	Modify value
1			%QB72	Hex	16#55	16#55
2			%QB73	Hex	16#AA	16#AA
3			%IB72	Hex	16#55	
4			%IB73	Hex	16#AA	

Read 14-channel DI

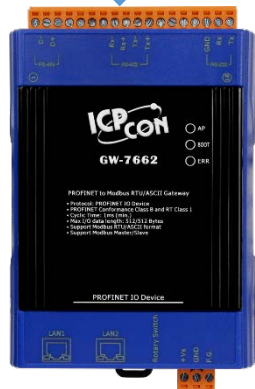


SIMATIC S7-1200

PROFINET IO Controller
(Master)



GW-7663



DI module (TCP server)

- IP: 192.168.77.88
- Modbus ID: 3
- Data Address: 10001~10014
- Data Length: 2



PROFINET IO device
(Slave)

Modbus TCP Client



PFN_Tool (Version 1.31)

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
S7-1200				
GW-7663				

2 Double Click

Device Basic Configuration

Device Information

Device Type : GW-7663
 Device Name : gw-7663
 IP Address : 0.0.0.0
 Subnet Mask : 0.0.0.0
 MAC Address : 00:0D:E0:17:00:AC

Name Configure

Device Name : gw-7663

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-7663
 Firmware Version : V1.0

Options
 Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Type : Master(Client) Polling Interval (ms) : 500
 Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000
 I/O Safe Mode : Last Value TCP Connect Num : 1
 Modbus Device ID (dec) : 1

Server settings.
 Server NO. 0 OK
 IP : 192 . 168 . 0 . 1
 Re-Connect Time (ms) : 5000

Request Command

Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
 Server NO. 0
 Modbus ID (dec) : 1 (1~247)
 Start Address (dec) : 0 (0~65535)
 Count (dec) : 1 (1~1024 Bits)

PROFINET Info.
 Total Input (Byte) : 8 Modify
 Total Output (Byte) : 8 Delete
 System used: 8 Bytes

Change Word Order (AABB CCDD -> CCDD AABB)

Server NO.	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-7663
Firmware Version : V1.0

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

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Type : Master(Client) Polling Interval (ms) : 500 Server settings.
Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000 Server NO. 0 OK
I/O Safe Mode : Last Value TCP Connect Num : 1 IP : 192 . 168 . 77 . 88
Modbus Device ID (dec) : 1 Re-Connect Time (ms) : 5000

Request Command

Function Code : FC2 Read multiple input discretes (1xxxx) for DI Add
Server NO. 0 PROFINET Info.
Modbus ID (dec) : 3 (1~247) 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)

	Server NO.	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
▶ 1	0	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. (64~71)
The 9th byte to the 32th byte are allocated for Modbus. (72~95)

Module	Rack	Slot	I address	Q address	Type	Order no.
GW-7663	0	0			GW-7663 2-Port De...	GW-7663
Internal	0	0 X1			GW-7663	
RSW:0 Input:32Byte Output:...	0	1	64...95	64...95	RSW:0 Input:32Byte...	

Address	Display format	Monitor value
%IB72	Hex	16#00
%IB73	Hex	16#00
%I72.0	Bool	FALSE
%I72.1	Bool	FALSE
%I72.2	Bool	FALSE
%I72.3	Bool	FALSE
%I72.4	Bool	FALSE
%I72.5	Bool	FALSE
%I72.6	Bool	FALSE
%I72.7	Bool	FALSE
%I73.0	Bool	FALSE
%I73.1	Bool	FALSE
%I73.2	Bool	FALSE
%I73.3	Bool	FALSE
%I73.4	Bool	FALSE
%I73.5	Bool	FALSE

IB72 => used to read DI 1~8
IB73 => used to read DI 9~14
I72.0~I72.7 => used to read DI 1~8
I73.0~I73.5 => used to read DI 9~14



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

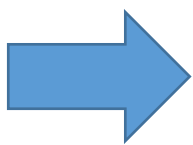
Original DI value

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	...	Address	Display format	Monitor value
1			%IB72	Hex	16#00
2			%IB73	Hex	16#00
3			%I72.0	Bool	<input type="checkbox"/> FALSE
4			%I72.1	Bool	<input type="checkbox"/> FALSE
5			%I72.2	Bool	<input type="checkbox"/> FALSE
6			%I72.3	Bool	<input type="checkbox"/> FALSE
7			%I72.4	Bool	<input type="checkbox"/> FALSE
8			%I72.5	Bool	<input type="checkbox"/> FALSE
9			%I72.6	Bool	<input type="checkbox"/> FALSE
10			%I72.7	Bool	<input type="checkbox"/> FALSE
11			%I73.0	Bool	<input type="checkbox"/> FALSE
12			%I73.1	Bool	<input type="checkbox"/> FALSE
13			%I73.2	Bool	<input type="checkbox"/> FALSE
14			%I73.3	Bool	<input type="checkbox"/> FALSE
15			%I73.4	Bool	<input type="checkbox"/> FALSE
16			%I73.5	Bool	<input type="checkbox"/> FALSE



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

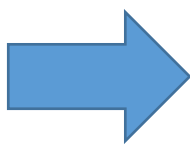
Change DI value

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



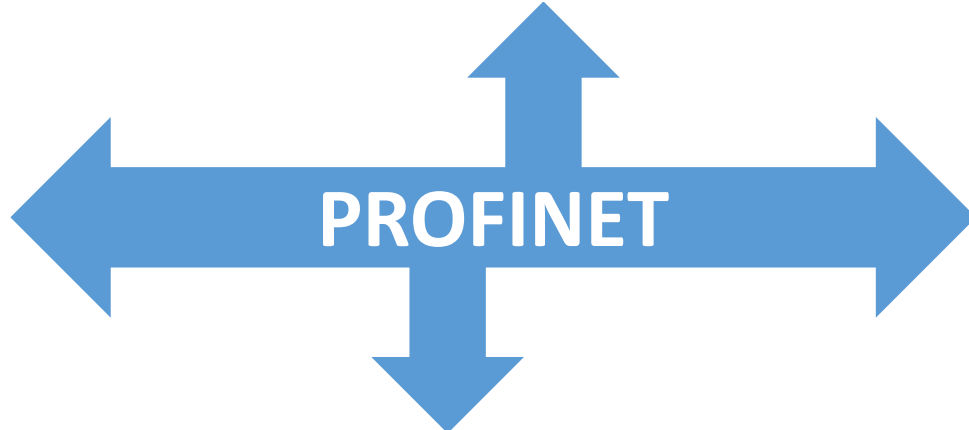
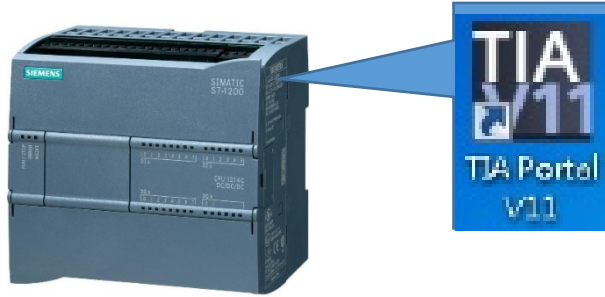
	i	...	Address	Display format	Monitor value
1			%IB72	Hex	16#AB
2			%IB73	Hex	16#2A
3			%I72.0	Bool	<input checked="" type="checkbox"/> TRUE
4			%I72.1	Bool	<input checked="" type="checkbox"/> TRUE
5			%I72.2	Bool	<input type="checkbox"/> FALSE
6			%I72.3	Bool	<input checked="" type="checkbox"/> TRUE
7			%I72.4	Bool	<input type="checkbox"/> FALSE
8			%I72.5	Bool	<input checked="" type="checkbox"/> TRUE
9			%I72.6	Bool	<input type="checkbox"/> FALSE
10			%I72.7	Bool	<input checked="" type="checkbox"/> TRUE
11			%I73.0	Bool	<input type="checkbox"/> FALSE
12			%I73.1	Bool	<input checked="" type="checkbox"/> TRUE
13			%I73.2	Bool	<input type="checkbox"/> FALSE
14			%I73.3	Bool	<input checked="" type="checkbox"/> TRUE
15			%I73.4	Bool	<input type="checkbox"/> FALSE
16			%I73.5	Bool	<input checked="" type="checkbox"/> TRUE

Read and Write 3-channel AO



SIMATIC S7-1200

PROFINET IO Controller
(Master)



GW-7663



AO module (TCP server)

- IP: 192.168.77.88
- Modbus ID: 4
- Data Address: 40001~40003
- Data Length: 3



PROFINET IO device (Slave) Modbus TCP Client



PFN_Tool (Version 1.31)

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
S7-1200				
GW-7663				

2 Double Click

Device Basic Configuration

Device Information
Device Type : GW-7663
Device Name : gw-7663
IP Address : 0.0.0.0
Subnet Mask : 0.0.0.0
Gateway Address : 00:0D:E0:17:00:AC

Name Configure
Device Name : gw-7663

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-7663
Firmware Version : V1.0

Options
Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters
Modbus Type : Master(Client) Polling Interval (ms) : 500
Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000
I/O Safe Mode : Last Value TCP Connect Num : 1
Modbus Device ID (dec) : 1

Server settings.
Server NO. 0 OK
IP : 192 . 168 . 0 . 1
Re-Connect Time (ms) : 5000

Request Command
Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Server NO. 0
Modbus ID (dec) : 1 (1~247)
Start Address (dec) : 0 (0~65535)
Count (dec) : 1 (1~1024 Bits)
PROFINET Info.
Total Input (Byte) : 8 Modify
Total Output (Byte) : 8 Delete
System used: 8 Bytes
 Change Word Order (AABB CCDD -> CCDD AABB)

Server NO.	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
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3 Press 「Advanced Settings」 button

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



Device Information

Device Type : GW-7663
Firmware Version : V1.0

Options

Load File
Save File
Download Settings
Upload Settings

Modbus Settings | Modbus Test | Diagnostic Msg. | Communication Log | Information

Parameters

Modbus Type : Master(Client)

Byte Order : Little Endian(Intel)

I/O Safe Mode : Last Value

Modbus Device ID (dec) : 1

Polling Interval (ms) : 500

Query Timeout (ms) : 1000

TCP Connect Num : 1

Server settings.

Server NO. 0 OK

IP : 192 . 168 . 77 . 88

Re-Connect Time (ms) : 5000

Request Command

Function Code : FC3 Read multiple registers (4xxxx) for AO Add

Server NO. 0

Modbus ID (dec) : 4 (1~247)

Start Address (dec) : 0 (0~65535)

Count (dec) : 3 (1~64 Words)

Change Word Order (AABB CCDD -> CCDD AABB)

PROFINET Info.

Total Input (Byte) : 14

Total Output (Byte) : 14

System used: 8 Bytes

Modify

Delete

	Server NO.	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
1	0	4	16 (WAO)	0	3	No	N/A	8~13
▶ 2	0	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. (64~71)
The 9th byte to the 32th byte are allocated for Modbus. (72~95)

Module	Rack	Slot	I address	Q address	Type	Order no.
GW-7663	0	0			GW-7663 2-Port De...	GW-7663
Internal	0	0 X1			GW-7663	
RSW:0 Input:32Byte Output:...	0	1	64...95	64...95	RSW:0 Input:32Byte...	

	i	...	Address	Display format
1			%QW72	Hex
2			%QW74	Hex
3			%QW76	Hex
4			%IW72	Hex
5			%IW74	Hex
6			%IW76	Hex

QW72 => used to write AO 1
QW74 => used to write AO 2
QW76 => used to write AO 3

IW72 => used to read AO 1
IW74 => used to read AO 2
IW76 => used to read AO 3



Original AO value

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

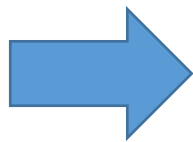
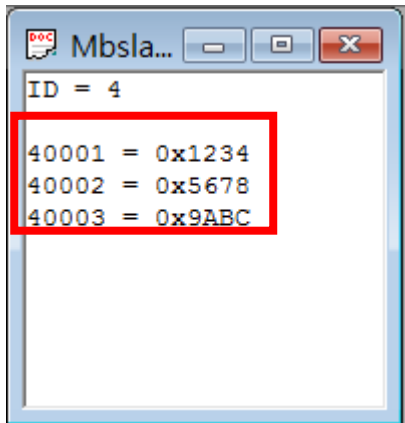
	i	...	Address	Display format	Monitor value	Modify value
1			%QW72	Hex	16#1234	16#1234
2			%QW74	Hex	16#5678	16#5678
3			%QW76	Hex	16#9ABC	16#9ABC

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



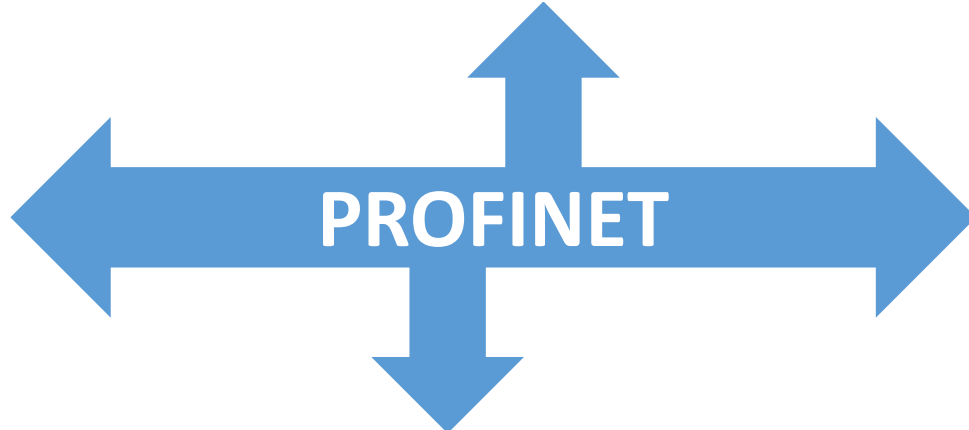
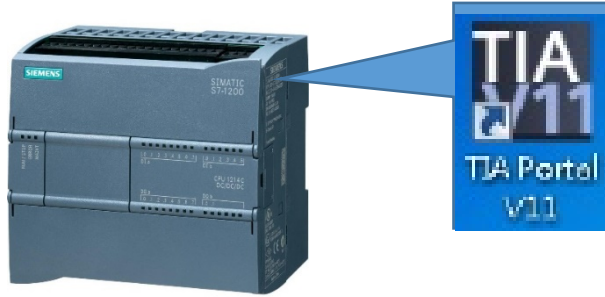
	i	...	Address	Display format	Monitor value	Modify value
1			%QW72	Hex	16#1234	16#1234
2			%QW74	Hex	16#5678	16#5678
3			%QW76	Hex	16#9ABC	16#9ABC
4			%IW72	Hex	16#1234	
5			%IW74	Hex	16#5678	
6			%IW76	Hex	16#9ABC	

Read 4-channel AI



SIMATIC S7-1200

PROFINET IO Controller
(Master)



GW-7663



PROFINET IO device
(Slave)

Modbus TCP Client



AI module (TCP server)

- IP: 192.168.77.88
- Modbus ID: 5
- Data Address: 30001~30004
- Data Length: 4





PFN_Tool (Version 1.31)

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
S7-1200				
GW-7663				

2 Double Click

Device Basic Configuration

Device Information
Device Type : GW-7663
Device Name : gw-7663
IP Address : 0.0.0.0
Subnet Mask : 0.0.0.0
Gateway : 0.0.0.0
MAC Address : 00:0D:E0:17:00:AC

Name Configure
Device Name : gw-7663

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-7663
Firmware Version : V1.0

Options
Load File Save File Download Settings Upload Settings

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters
Modbus Type : Master(Client) Polling Interval (ms) : 500
Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000
I/O Safe Mode : Last Value TCP Connect Num : 1
Modbus Device ID (dec) : 1

Server settings.
Server NO. 0 OK
IP : 192 . 168 . 0 . 1
Re-Connect Time (ms) : 5000

Request Command
Function Code : FC1 Read multiple coils status (0xxxx) for DO Add
Server NO. 0
Modbus ID (dec) : 1 (1~247)
Start Address (dec) : 0 (0~65535)
Count (dec) : 1 (1~1024 Bits)
PROFINET Info.
Total Input (Byte) : 8 Modify
Total Output (Byte) : 8 Delete
System used: 8 Bytes

Change Word Order (AABB CCDD -> CCDD AABB)

Server NO.	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
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3 Press 「Advanced Settings」 button

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

Read 4-channel AI



Device Advanced Configuration

Device Information
Device Type : GW-7663
Firmware Version : V1.0

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

Modbus Settings Modbus Test Diagnostic Msg. Communication Log Information

Parameters

Modbus Type : Master(Client) Polling Interval (ms) : 500 Server settings.
Byte Order : Little Endian(Intel) Query Timeout (ms) : 1000 Server NO. 0 OK
I/O Safe Mode : Last Value TCP Connect Num : 1 IP : 192 . 168 . 77 . 88
Modbus Device ID (dec) : 1 Re-Connect Time (ms) : 5000

Request Command

Function Code : FC4 Read multiple input registers (3xxxx) for AI Add
Server NO. 0 PROFINET Info.
Modbus ID (dec) : 5 (1~247) Total Input (Byte) : 16 Modify
Start Address (dec) : 0 (0~65535) Total Output (Byte) : 8 Delete
Count (dec) : 4 (1~64 Words) System used: 8 Bytes
 Change Word Order (AABB CCDD -> CCDD AABB)

	Server NO.	ID	FC	Start Addr.	Count	Word order	PFN Input Addr.(Byte)	PFN Output Addr.(Byte)
▶ 1	0	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. (64~71)
The 9th byte to the 32th byte are allocated for Modbus. (72~95)

Module	Rack	Slot	I address	Q address	Type	Order no.
GW-7663	0	0			GW-7663 2-Port De...	GW-7663
Internal	0	0 X1			GW-7663	
RSW:0 Input:32Byte Output:...	0	1	64...95	64...95	RSW:0 Input:32Byte...	

i	...	Address	Display format	Monitor val
1		%IW72	Hex	16#0000
2		%IW74	Hex	16#0000
3		%IW76	Hex	16#0000
4		%IW78	Hex	16#0000

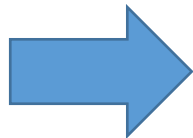
IW72 => used to read AI 1
IW74 => used to read AI 2
IW76 => used to read AI 3
IW78 => used to read AI 4



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

30001 = 0x0000
30002 = 0x0000
30003 = 0x0000
30004 = 0x0000

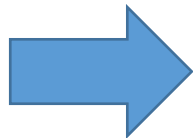
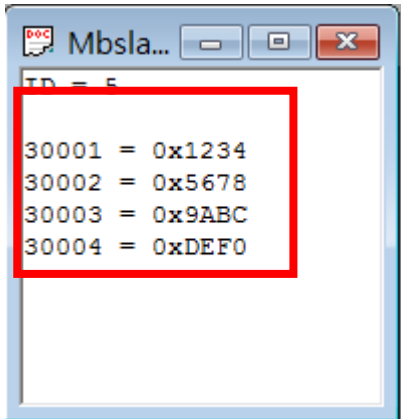


	i	...	Address	Display format	Monitor value
1			%IW72	Hex	16#0000
2			%IW74	Hex	16#0000
3			%IW76	Hex	16#0000
4			%IW78	Hex	16#0000



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			%IW72	Hex	16#1234
2			%IW74	Hex	16#5678
3			%IW76	Hex	16#9ABC
4			%IW78	Hex	16#DEF0