

# **PROFINET Series Products**

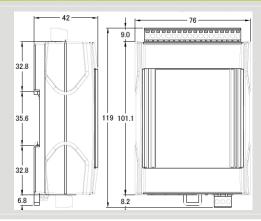
## PROFINET to Modbus RTU/ASCII Gateway







GW-7662



**Dimensions** 

The GW-7662 specially designed for PROFINET IO device. It allows PROFINET controller to access Modbus devices. These Modbus devices maybe a PLC, a sensor, ICPDAS M-7000 series modules and so forth. We also provide a utility software for users to configure GW-7662. By using this module, users can put their Modbus devices into PROFINET network easily.

#### **Features**

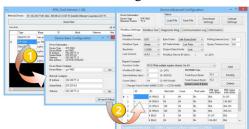
- Protocol: PROFINET IO Device
- PROFINET Conformance Class B and RT Class 1
- Cyclic Time: 1ms (min)
- Generic GSDML File Provided (Version 2.25)
- Max length of input/output data is 512/512 Bytes
- Support Modbus Master and Slave mode
- Support Modbus RTU and ASCII format
- Support several kinds of baud rate for COM1 from 1.2 to 460.8 kbps
- Provide LED indicators
- 4 kV Contact ESD protection for any terminal
- Wide range of power input  $(+10 \sim +30 \text{ VDC})$  and operating temperature  $(-25 \sim +75 \degree C)$

## **Modbus Support**

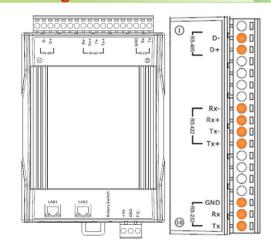
Code	Name	Description
01	Read Coil Status	Read the ON/OFF status of discrete outputs in the slave
02	Read Input Status	Read the ON/OFF status of discrete inputs in the slave
03	Read Holding Registers	Read the binary contents of holding registers in the slave
04	Read Input Registers	Read the binary contents of input registers in the slave
05	Force Single Coil	Write a single output to either ON or OFF in the slave
06	Preset Single Register	Write an integer value into a single register in the slave
15	Force Multiple Coils	Write each coil in the sequence of coils to either ON or OFF in the slave $$
16	Preset Multiple Registers	Write a block of contiguous registers in the slave

#### **Utility Features**

- Provide Modbus device setting
- Show diagnostic messages
- Provide Modbus test function
- Provide Communication Log of Modbus network



## **Pin Assignments**



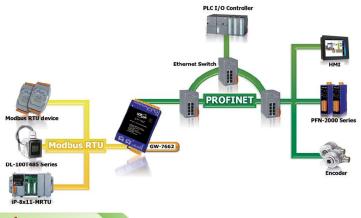




## Hardware Specifications

PROFINET Interface			
Protocol	PROFINET IO Device		
Conformance Classes	Class B		
Services	2.1111		
	RTC, RTA, CL-RPC, DCP, LLDP, I&M		
Cycle Time	1 ms (min.)		
<b>Ethernet Interface</b>			
Controller	10/100Base-TX Ethernet Controller (Auto-negotiating, Auto_MDIX)		
Connector	RJ-45 x 2 (LED indicators) , Integrated 2-Port Switch		
Services	ICMP, IGMP, ARP, DHCP, TELNET, TFTP, SNMP, VLAN Priority Tagging		
UART Interface			
COM	RS-232/RS-422/RS-485 (can't be used simultaneously)		
COM Connector	3-pin screwed terminal block (RxD, TxD, GND) 4-pin screwed terminal block (RxD+, RxD-, TxD+, TxD-) 2-pin screwed terminal block (DATA+, DATA-)		
Baud Rate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400, 460800		
Data bit	7, 8		
Stop bit	1, 2		
Parity	None, Even, Odd		
LED			
Round LED	AP LED, BOOT LED, ERR LED		
Power			
Power supply	Unregulated +10 ~ +30 V <sub>DC</sub>		
Protection	Power reverse polarity protection, Over-voltage brown-out protection		
Power Consumption	3.4W		
Mechanism			
Installation	DIN-Rail		
Dimensions	42 mm x 76 mm x 119 mm (W x L x H)		
Environment			
Operating Temp.	-25 ~ 75 °C		
Storage Temp.	-30 ~ 80 °C		
Humidity	10 ~ 90% RH, non-condensing		

## Applications



Ordering Information

GW-7662 CR PROFINET to Modbus RTU/ASCII Gateway (RoHS)