



GW-7662 PROFINET to Modbus RTU/ASCII Gateway

#### **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
- 4 kV Contact ESD protection for any terminal



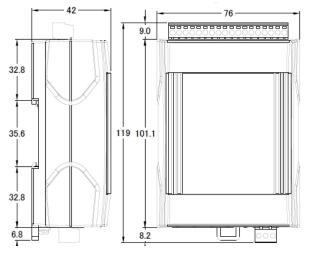
### Introduction

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.

#### 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

#### Dimensions (Units: mm)

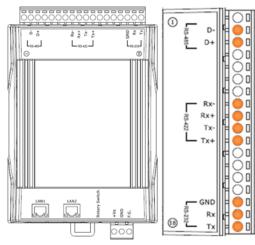


#### 🖿 Utility Features

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

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### 🖿 Pin Assignments



## Hardware Specifications

PROFINET IO Device						
Class B						
RTC, RTA, CL-RPC, DCP, LLDP, I&M						
1 ms (min.)						
10/100Base-TX Ethernet Controller (Auto-negotiating, Auto_MDIX)						
RJ-45 x 2 (LED indicators) , Integrated 2-Port Switch						
ICMP, IGMP, ARP, DHCP, TELNET, TFTP, SNMP, VLAN Priority Tagging						
RS-232/RS-422/RS-485 (can't be used simultaneously)						
3-pin screwed terminal block (RxD, TxD, GND) 4-pin screwed terminal block (RxD+, RxD-, TxD+, TxD-) 2-pin screwed terminal block (DATA+, DATA-)						
1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400, 460800						
7, 8						
1, 2						
None, Even, Odd						
AP LED, BOOT LED, ERR LED						
Unregulated +10 $\sim$ +30 V <sub>DC</sub>						
Power reverse polarity protection, Over-voltage brown-out protection						
3.4W						
DIN-Rail						
42 mm x 76 mm x 119 mm (W x L x H)						
-25 ~ 75 ℃						
-30 ~ 80 °C						
10 ~ 90% RH, non-condensing						

# Application

