

PROFINET Series Products

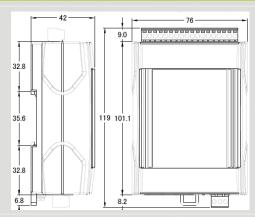
PROFINET to Modbus TCP Gateway







GW-7663



Dimensions

The GW-7663 specially designed for PROFINET IO device. It allows PROFINET controller to access Modbus TCP devices. These Modbus devices maybe a PLC, a sensor, ICPDAS I-8KE4-MTCP, ET-7000 series modules and so forth. We also provide a utility software for users to configure GW-7663. 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 TCP format
- Support Modbus Master and Slave mode
- 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



Rotary Switch Definition

Position	Module configuration	
	Output (byte)	Input (byte)
0	32	32
1	64	64
2	128	128
3	256	256
4	384	384
5	512	512
6~7	Reserved	
8∼F	Bootloader mode	





Hardware Specifications

PROFINET Interface		
Protocol	PROFINET IO Device	
Conformance Classes	Conformance Classes Class B	
Services	RTC, RTA, CL-RPC, DCP, LLDP, I&M	
Cycle Time	1 ms (min.)	
Ethernet Interface		
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	
LED		
Round LED	AP LED, BOOT LED, ERR LED	
Power		
Power supply	Unregulated +10 ~ +30 V _{DC}	
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 110 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

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