



GW-7473-UL series

Modbus Slave to EtherNet/IP Scanner Gateway

Features

- 10/100 Base-TX Ethernet, RJ-45 x1
- Redundant power inputs: PoE (IEEE 802.3af, Class 1) and DC jack
- Tiny form-factor and low power consumption
- Modbus Protocol: Modbus TCP Server/RTU Slave protocols
- Supported Modbus Function Code 01, 02, 03, 04, 15, and 16
- Maximum support 5 Modbus TCP clients
- Class 1
- Maximum support 5 EtherNet/IP adapter connections
- EtherNet/IP I/O command data size: 200 bytes

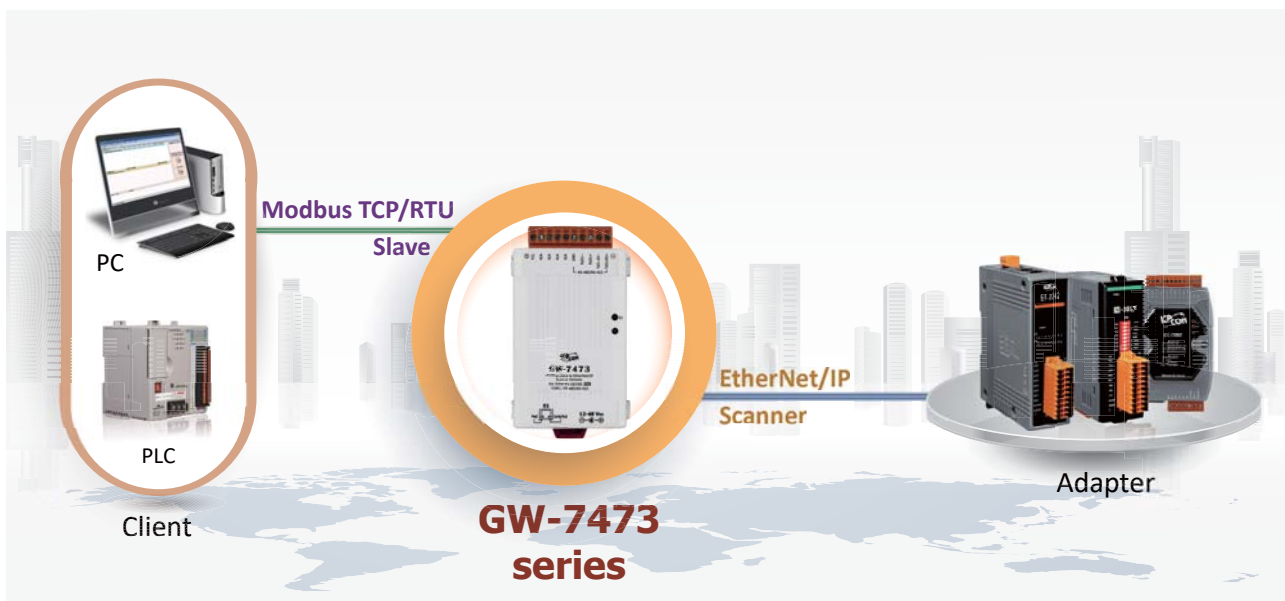


Introduction

The GW-7473-UL series (Modbus TCP/RTU Slave to EtherNet/IP Scanner Gateway) is helpful for data-exchanging between Modbus Master and EtherNet/IP adapter. It reads the register data from the EtherNet/IP adapter and publishes these data to the input register data of the Modbus TCP client as well as Modbus RTU Master. The output data transmitted by the Modbus TCP/RTU Master are updated to the register data of EtherNet/IP adapter. In order to save the installation space, the GW-7473-UL series is also offered in an amazing tiny form-factor that makes it easy to install in anywhere, even directly attached to a serial device or embedded into a machine. The GW-7473-UL series provides the IEEE 802.3af-compliant (classification, Class 1) Power over Ethernet (PoE) with a standard category 5 Ethernet cable. Through the NS-205PSE, PoE switch, the GW-7473-UL series can be powered via the Ethernet cable. When there is no PoE switch on site, the GW-7473-UL series provide another way to be powered from DC adapters. These two power interfaces are redundant. If one fails, another will take it over to supply the proper power to the GW-7473-UL series.

The GW-7473-UL series modules have obtained UL certification, meeting strict safety standards including fire resistance, electric shock protection, and durability requirements. This ensures stability and safety across various usage environments, providing consumers with reliable quality assurance. The UTA version uses conformal coating technology that offers excellent resistance to moisture and salt spray, making it particularly suitable for coastal and high-humidity environments.

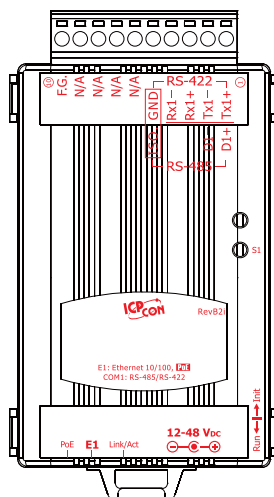
Applications



Specifications

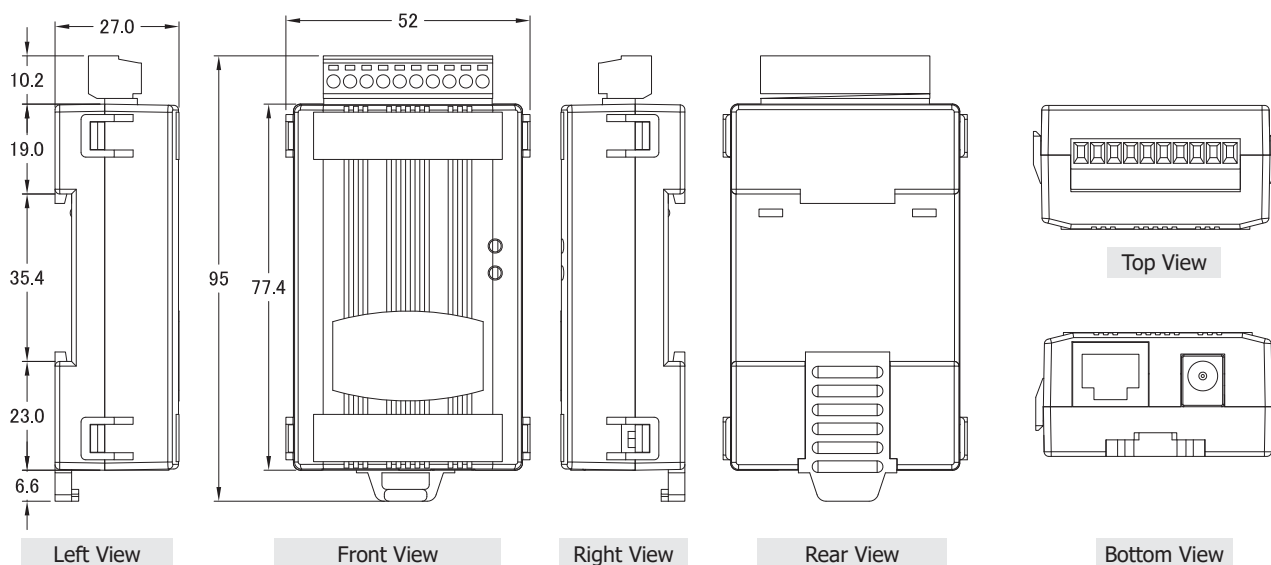
UART Interface	
COM 1	2-wire RS-485 4-wire RS-422
COM 1 Connector	10-Pin Removable Terminal Block x 1
Protocol	Modbus RTU Slave
Ethernet Interface	
Ethernet	10/100 Base-TX, 8-pin RJ-45 x 1, (Auto-negotiating, Auto-MDI/MDIX, LED indicator) PoE (IEEE 802.3af, Class 1)
Protocol	EtherNet/IP Scanner and Modbus TCP Server
Power	
Power supply	PoE: IEEE 802.3af, Class 1 DC jack: +12 ~ 48 VDC
Power Consumption	0.05 A @ 24 VDC
Mechanism	
Dimensions	52mm x 95mm x 27mm (W x L x H)
Mounting	DIN-Rail
Environment	
Operating Temperature	GW-7473-UL: -25 ~ +70 °C GW-7473-UL-UTA: -40 ~ +70 °C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, non-condensing

Pin Assignments



Interface	Pin	Description
RS-422	Tx1+	Transmit Data +
	Tx1-	Transmit Data -
	Rx1+	Receive Data +
	Rx1-	Receive Data -
RS-485	D1+	Data +
	D1-	Data -

Dimensions (Units: mm)



Ordering Information

GW-7473-UL CR	Modbus Slave to EtherNet/IP Scanner Gateway with PoE and 1 RS-422/485 (RoHS) (CA-002-UL)
GW-7473-UL-UTA CR	Modbus Slave to EtherNet/IP Scanner Gateway with PoE and 1 RS-422/485 (RoHS) (-40 °C Operating Temperature) (CA-002-UL)