

## Ethernet/IP Gateway

### EtherNet/IP server to Modbus RTU master Gateway

#### GW-7472.CR

NEW



GW-7472 (EtherNet/IP server to Modbus RTU master Gateway) converts a network of Modbus RTU Slave devices to a single node of I/O on an EtherNet/IP network. For EtherNet/IP Systems Register data read from Modbus RTU slave nodes is presented to an EtherNet/IP Client device as Input data. Output data transmitted by an EtherNet/IP Client is used to update the register data of Modbus RTU Slave devices. The entire network of Modbus RTU Slave devices appears to the EtherNet/IP Client as a single node of EtherNet/IP slave.

#### General Features

- ✓ Powerful 32-bit MCU handles efficient network trafficking
- ✓ 10/100 Base-TX Ethernet, RJ-45 x1 (Auto-negotiating, auto MDI/MDIX, LED Indicators)
- ✓ Redundant power inputs: PoE (IEEE 802.3af, Class 1) and DC jack
- ✓ Automatically RS-485 direction control
- ✓ Supports ARP, TCP, UDP, ICMP, DHCP, BOOTP and TFTP protocols
- ✓ Easy firmware update via Ethernet
- ✓ Terminal block connector for easy wiring
- ✓ Tiny form-factor and low power consumption
- ✓ RoHS compliant with no Halogen
- ✓ Made from fire retardant materials (UL94-V0 Level)

#### Modbus Features

- ✓ Modbus Protocol: Modbus RTU Master
- ✓ Maximum support 30 Modbus RTU slave devices
- ✓ Supported Modbus RTU Function Codes:
  - ★ 01hex: Read Output Status
  - ★ 02hex: Read Input Status
  - ★ 03hex: Read Multiple Data Registers
  - ★ 04hex: Read Input Registers
  - ★ 0Fhex: Write Multiple Bits
  - ★ 10hex: Write Multiple Data Register
- ✓ Maximum data size per Modbus slave device: 240 bytes

#### EtherNet/IP Features

- ✓ Ethernet Protocol: EtherNet/IP Server
- ✓ Maximum number of Explicit Messaging connections: 6
- ✓ Supported I/O connection methods:
  - ★ Transport and trigger: Exclusive-Owner, Cyclic
  - ★ Original to Target Type: POINT2POINT
  - ★ Target to Original Type: POINT2POINT, MULTICAST
- ✓ Device Configuration Option: Custom Software
- ✓ Address Configuration: DHCP, Custom Software
- ✓ Maximum EtherNet/IP Input/Output data size: 500 bytes
- ✓ Maximum Modbus RTU slave data mapped to EtherNet/IP input data: 500 bytes
- ✓ Maximum EtherNet/IP output data mapped to Modbus RTU slave devices: 500 bytes

