

# Modbus RTU to BACnet MSTP Converter

## Overview

The Modbus RTU to BACnet MSTP Converter is a versatile hardware module designed to seamlessly bridge communication between Modbus RTU devices and BACnet MSTP systems. Ideal for industrial automation, energy management, and building management systems, it enables smooth data exchange and interoperability across these two protocols.



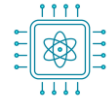
## Key Features

- **Protocol Conversion:** Converts Modbus RTU communication to BACnet MSTP and vice versa, ensuring compatibility between systems.
- **Compact and Durable Design:** Small form factor for easy installation in diverse environments.
- **24V Power Input:** Operates on a standard 24V DC power supply.
- **Wide Compatibility:** Supports a wide range of Modbus and BACnet devices.
- **High Performance:** Provides low-latency and accurate protocol translation.

## Specifications

### General

- **Model:** PICO-2024-1216-1030
- **Power Supply:** 24V DC (Operating range: 18-30V DC)
- **Mounting:** DIN-rail
- **Dimensions:** L × W × H: 87 × 36 × 59 mm
- **Weight:** 500 g



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## Communication Interfaces

- **Modbus RTU:**
  - **Protocol:** Modbus RTU
  - **Baud Rate:** 9600 to 115200 bps
  - **Connection:** RS-485 (2-wire)
- **BACnet MSTP:**
  - **Protocol:** BACnet MSTP
  - **Baud Rate:** 9600 to 115200 bps
  - **Connection:** RS-485 (2-wire)

## Operating Environment

- **Temperature Range:** -20°C to 60°C
- **Humidity:** 10% to 90% RH (non-condensing)
- **Protection:** Surge and ESD protection

## Indicators

- **Status LEDs:** Power, Modbus Activity, BACnet Activity, and Error Indicators

## Configuration

- **Software Utility:** User-friendly configuration tool for Windows
- **Settings:** Baud rate, DMX channel mapping, Modbus registers to BACnet objects

## Applications

- **Building Automation Systems:** Enable communication between Modbus-enabled devices like energy meters and BACnet-based HVAC controllers.
- **Industrial Automation:** Integrate Modbus RTU devices with BACnet MSTP controllers for seamless data exchange.
- **Energy Management:** Bridge Modbus energy monitoring systems with BACnet-enabled control systems

## Ordering Information

- **Product Code:** PICO-2024-1216-1030
- **Accessories:** Optional power adapter, configuration software, and mounting hardware included.

## Warranty and Support

- **Warranty:** 2-year limited warranty
- **Support:** 24/7 customer service, Online documentation, Firmware updates

## Request for a Quote (RFQ) or Schedule a Demo

### Contact Us

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