

PROTOCON

A gateway for your Building Automation solution

The Protocon is a product from Sunlux that allows users to integrate new and existing Modbus/RTU serial devices to TCP/IP network-based devices. The gateway server allows MODBUS/TCP based Controllers and applications to communicate and interoperate with serial MODBUS RTUs.



The protocon gateway is available in Modbus/TCP to Modbus/RTU version also.

Key Features:

- Aluminum enclosure for use in harsh environment
- Extended Operating Temperature range
- There are two RS485 ports. Each port can individually connect 32 Modbus-RTU devices.
Note: One port is working at a time. Client can use COM1 OR COM2.
- Web based configuration utility
- Embedded Web Server for device health monitoring
- Front panel LED indication for quick diagnostic

Protocols Supported: · Modbus RTU, Modbus TCP/IP

Communication Interface:

- 10/100 Mbps Ethernet with auto-negotiation
- Serial port supports either 2-wire or 3-wire EIA-485
- Baud rates from 2.4 to 115.2 kbps. The baud rate can be set with Web based Configuration

WEB BASED CONFIGURATION



Protocon is customizable to work with any RTU network. To do this a web based utility is provided. As this utility is web-based, no client-side installation is required, just a standard web browser is enough. Various Protocon settings like Serial settings, Ethernet settings can be configured through this.

This utility provides features like,

- Configuration of serial and Ethernet settings.
- Device management configuration for and Factory default settings and IP change.

TECHNICAL SPECIFICATIONS

DIMENSION	: W: 34 MM x D: 105 MM x H: 100 MM
WEIGHT	: 354GMS
ENCLOSURE	: ALUMINUM
ELECTRICAL	: INPUT VOLTAGE 24V AC/DC, 1000MA.
DIAGNOSTIC	: LEDS POWER/ERROR – RED
MODBUS ACTIVITY INDICATION	: M-TCP RX, M-TCP TX, M-RTU RX, M-RTU TX - YELLOW
ETHERNET	: LINK – GREEN
OPERATING TEMPERATURE	: 0 TO 60 DEG C (STANDARD)
HUMIDITY	: 10-90% NON-CONDENSING
PROCESSOR	: CPU FAN LESS – ARM, SPEED UPTO 475MHZ, SOFTWARE MALFUNCTION PROTECTION WATCHDOG TIMER
INTERFACES	: MODBUS SLAVE CHOICE OF 2 - RS485 PORTS ETHERNET (TCP/IP) – RJ45 RS-485 (SCREW-TERMINAL)
COMMUNICATION	: RS485 SERIAL: 256 KBPS; ETHERNET: 10/100 MBPS
POWER INPUT	: 24V AC/DC POWER SUPPLY
MOUNTING	: DIN RAIL MOUNT

PROTOCOLS SUPPORTED

Modbus Stack:

Function Code:

Read Coils (FC 0x01)
Read Discrete Inputs (FC 0x02)
Read Holding Registers (FC 0x03)
Read Input Registers (FC 0x04)
Write Single Coil (FC 0x05)
Write Single Register (FC 0x06)
Write Multiple Coils (FC 0x0F)
Write Multiple Registers (FC 0x10)

ORDERING INFORMATION

DESCRIPTION	PRODUCT CODE
Modbus RTU(RS485) to Modbus TCP converter supporting 1000 mappings	SLXPC-P7-MB-MB-12
Modbus TCP to Modbus RTU	SLXPC-P7-MB-MB-21



Contact Us.

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