

ADAM-5510EKW/TP

8-slot Ethernet-enabled SoftLogic Controller

NEW



FCC CE

Features

- 10/100Base-T Ethernet interface
- Built-in Modbus/TCP server
- Supports Modbus/TCP client
- Supports Modbus/RTU Master
- Supports Modbus/RTU Slave
- Supports Multiprog via Ethernet
- IEC-61131-3 standard package
- Supports LD/FB/SFC/IL/ST Languages
- Cross-Language compiling program
- 8 I/O slots base and handles up to 128 Local I/O Points
- Supports AI/AO/DI/DO/Counter Function Blocks

Introduction

The ADAM-5510EKW/TP is an Ethernet-enabled SoftLogic Controller. In addition to the features of ADAM-5510KW and ADAM-5510EKW, the ADAM-5510EKW/TP has Ethernet features including Modbus/TCP Server, Modbus/TCP Client and Multiprog via Ethernet functions. Therefore, users can easily and quickly complete their programming based on Ethernet architecture.

Standard Modbus Interface

For advanced system integration, the ADAM-5510EKW/TP supports not only Modbus/RTU Master and Slave functions via serial ports, but also the Modbus/TCP Client to retrieve data from remote I/O, and Modbus/TCP Server to send data back to the HMI/SCADA Software via Ethernet port. Furthermore, the ADAM-5510EKW/TP allows users to remotely maintain multiple ADAM-5510EKW/TP controllers by running Multiprog programming software via Ethernet.

Specification

- **CPU** 16-bit microprocessor
- **Memory** 1.5 MB flash memory: 640 KB SRAM, 17 KB with battery backup
- **Operating System** ROM-DOS
- **Real-time Clock** Yes
- **Watchdog Timer** Yes
- **COM1** RS-232/485
- **COM2** RS-485
- **COM3** RS-232 (Reserved)
- **COM4** RS-232/485
- **Comm. Protocol** Modbus/RTU and Modbus/TCP
- **I/O Capacity** 8 Slots
- **Status Display** Power, CPU, communication and battery
- **CPU Power Consumption** 1.0 W

Isolation

- **Power Input** 3000 V_{DC}
- **Communication** 2500 V_{DC} (COM2 only)

Network

- **Medium** RS-485 (2-wire)
- **Speeds (bps)** 9600, 19200 and 38400 bps
- **Maximum Nodes** Up to 31 multi-drop system per serial port
- **Medium** Ethernet (RJ-45)
- **Speeds (bps)** 10/100Base-T

Software Support

- KW MULTIPROG®

Power

- **Unregulated** + 10 to + 30 V_{DC}
- **Protected against Power Reversal**

Mechanical

- **Case** KJW with captive mounting hardware
- **Plug-in Screw Terminal Block** Accepts 0.5 mm² to 2.5 mm², 1 - #12 or 2 - #14 to #22 AWG

Environment

- **Operating Temperature** - 10 ~ 70° C (14 ~ 158° F)
- **Storage Temperature** - 25 ~ 85° C (-13 ~ 185° F)
- **Humidity** 5 ~ 95%, non-condensing

Ordering Information

- **ADAM-5510EKW/TP** 8-slot Ethernet-enabled SoftLogic Controller
- **PCLS-OPC/MOD** Modbus OPC Server
- **PCLS-OPC/MTP** Modbus/TCP OPC Server
- **PCLS-ADAMVIEW32** ADAMView Data Acquisition Software