EKI-1221IEIMB

Modbus TCP to EtherNet/IP Protocol Gateway

Features

- Support dual power input for power redundancy
- Integration of Modbus TCP and EtherNet/IP Network Communication
- Modbus TCP Master mode support 64 connections
- Mounts on DIN-rail and Wall mount
- 'I' models support a wide operating temperature

Introduction

The EKI-1221IEIMB Industrial Protocol gateway providing seamless communication between Fieldbus and Industrial Ethernet and supporting different protocol devices to communicate. Integrating new and existing Modbus TCP devices to EtherNet/IP network. To collect data and exchange data between Modbus TCP to EtherNet/IP. Simple and cost-effective way to bring the advantage of fast transferring of I/O data between devices. Performing highly Protocol extensibility and adaptation.

Specifications

Ethernet Communication

- **Protocols**   EtherNet/IP, Modbus TCP
- **Number of Ports**   2
- **Speed**   10/100 Mbps, Auto MDI/MDIX
- **Connector**   8-pin RJ45
- **Protection**   Built-in 1.5 KV magnetic isolation

Software

- **Modbus TCP**
  Mode   Master
  Functions Support   1, 2, 3, 4, 5, 6, 15, 16, 23
  Max. Number of Connections   64 connections
- **EtherNet/IP**
  Class   Adapter
  Max. Number of Connections   32 explicit messaging, 5 implicit messaging
  Max. Total I/O Data Size   Input: 384 bytes
                               Output: 384 bytes

General

- **LED Indicators**   System: Power, System Status
                         LAN: Speed, Link/Active
- **Reboot Trigger**   Built-in WDT (watchdog timer)

Mechanics

- **Dimensions (W x H x D)**   37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
- **Enclosure**   Metal with solid mounting hardware
- **Mounting**   DIN-rail, Wall
- **Weight**   0.592 Kg

Power Requirements

- **Power Input**   12 ~ 48 V_{DC}, redundant dual inputs
- **Power Connector**   Terminal block
- **Power Consumption**   5.2 W
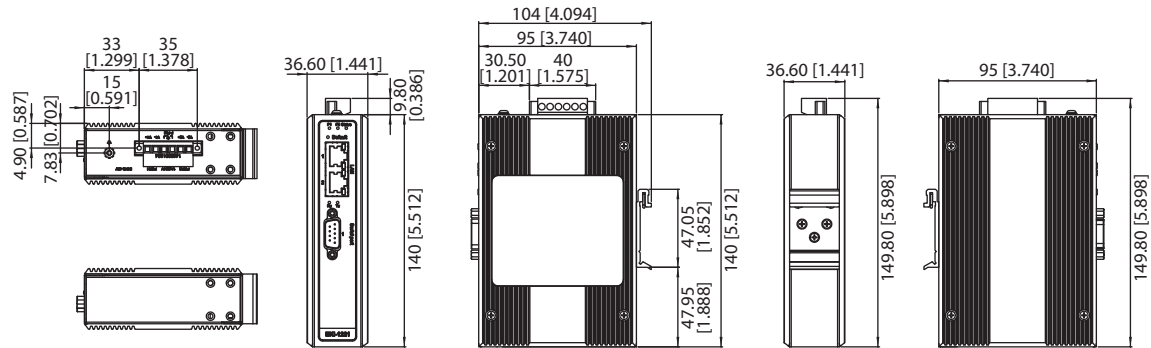
Environment

- **Operating Temperature**   -40 ~ 70°C (-40 ~ 158°F)
- **Storage Temperature**   -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity**   10 ~ 95% RH

Regulatory Approvals

- **EMC**   CE, FCC Part 15 Subpart B (Class A)

Dimensions

Unit: mm

Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.094" x 5.512" x 1.441")

Ordering Information

- **EKI-1221IEIMB**   Modbus TCP to EtherNet/IP Protocol Gateway