EKI-1221IPNMB

Modbus TCP to PROFINET Protocol Gateway

Features

- Supports dual power input for power redundancy
- Seamlessly integrate Modbus TCP and PROFINET network communication protocols
- Modbus TCP master mode supports up to 64 connections
- Mountable via DIN rail and wall mount
- "I" models support a wide operating temperature

5 Year Warranty CE FCC

Introduction

The EKI-1221IPNMB industrial protocol gateway provides seamless communication between Fieldbus and Ethernet devices, supporting a range of protocols. Integrating new and existing Modbus TCP devices to PROFINET networks, this gateway can collect data and perform data exchange between Modbus TCP and PROFINET. Simple and cost-effective, the EKI-1221IPNMB brings the advantage of fast I/O data transfer between devices while delivering high performance with protocol extensibility and adaptation.

Specifications

Ethernet Communication

- **Protocols**   PROFINET, 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
- **PROFINET**
  Type   Slave
  Slot   64
  Cyclic data exchange 64 ms cycle time

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
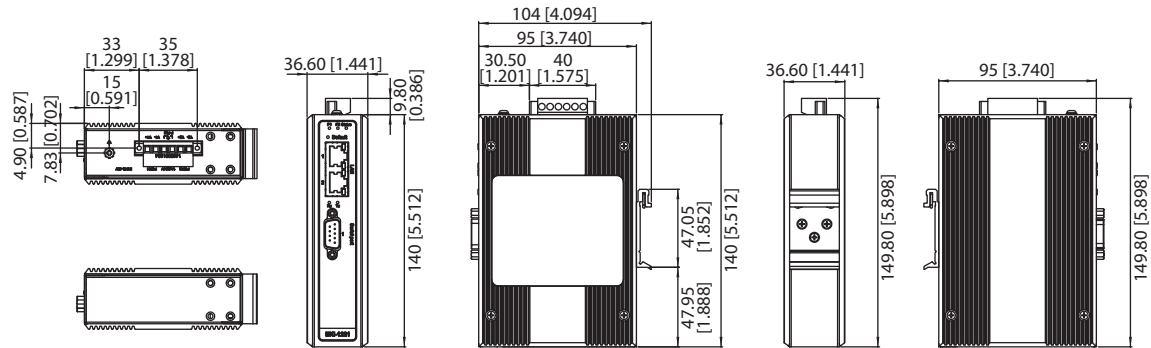
Environment

- **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)

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All product specifications are subject to change without notice.   Last updated: 27-Jun-2018

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-1221IPNMB**   Modbus TCP to PROFINET Protocol Gateway