EKI-1242IPNMS

Modbus RTU/TCP to PROFINET Fieldbus Gateway

Seamlessly integrate Modbus RTU/TCP and PROFINET communication

Built-in real-time diagnostics to enhance device management efficiency



Introduction

5[™] C € FCC

The EKI1242IPNMS 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, the EKI1242IPNMS is a cost-effective and simple way to bring the advantage of fast I/O data transfer between devices while delivering high performance with protocol extensibility and adaptation.

Specifications

Ethernet Communication

- Protocols
- Number of Ports
- Speed
- Connector
- Protection

Serial Communications

 Port Type RS-232/422/485, software selectable 2

8-pin RJ45

Modbus RTU

DB9 male

5, 6, 7, 8

1.1.5.2

4

PROFINET, Modbus TCP

10/100 Mbps, Auto MDI/MDIX

Built-in 1.5 KV magnetic isolation

None, Odd, Even, Space, Mark

RS-232: TxD, RxD, CTS, RTS, DCD, RI, GND

XON/XOFF, RTS/CTS

50 bps ~ 921.6 kbps

- No. of Ports
- Protocol
- Port Connector
- Data Bits
- Stop Bits
- Parity
- Flow Control
- Baud Rate
- Serial Signals
- RS-422: TxD+, TxD-, RxD+, RxD-, GND RS-485: Data+, Data-, GND

Software

•	Modbus	RTU/TCP
---	--------	---------

Mode Client Functions Support 1, 2, 3, 4, 5, 6, 15, 16, 23 Max. Number of Connections 64 connections

PROFINET

Туре	IO-Device
Slot	64
Cyclic data exchange	8 ms cycle time

General

LED Indicators

Features

protocols

- Supports dual power input for power redundancy

· Modbus client mode supports up to 64 connections

"I" models support a wide operating temperature

Mountable via DIN rail and wall mount Designed for protocol extensibility and adaption

- Reboot Trigger
- MicroSD Card

Mechanics

- Dimensions (W x H x D) 42 x 140 x 95 mm (1.66" x 5.52" x 3.75")
- Enclosure
- Mounting - Weight
- **Power Requirements**

Power Input

Environment

- Operating Temperature -40 ~ 75 °C (-40 ~ 167 °F)
- Storage Temperature
- Operating Humidity
 - 10~95% RH

DIN-rail, Wall

0.497 Kg

Regulatory Approvals

- EMC

CE, FCC Part 15 Subpart B (Class A)

Industrial Wireless and Protocol Gateway Solutions AD\ANTECH

All product specifications are subject to change without notice.

 $12 \sim 48 V_{\text{DC}}$, redundant dual inputs Terminal block 5.2 W

-40 ~ 85 °C (-40 ~ 185 °F)

System: Power, System Status, Protocol status

LAN: Speed, Link/Active, Error

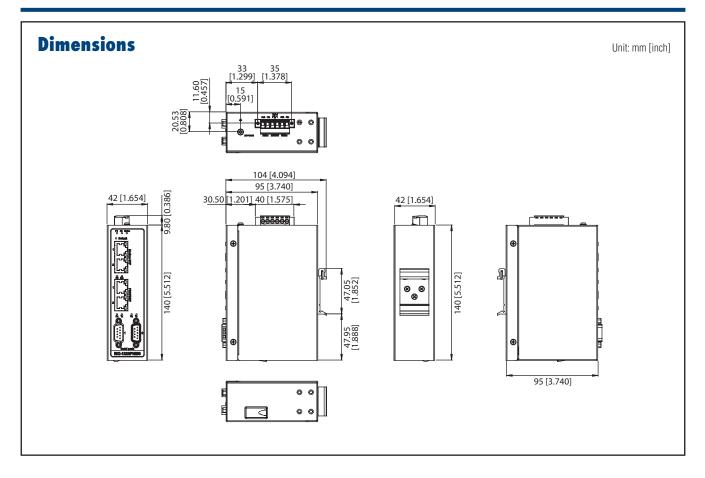
Built-in WDT (watchdog timer)

Configuration backup and restore

Metal with solid mounting hardware

- **Power Connector Power Consumption**

EKI -1242IPNMS



Ordering Information

EKI-1242IPNMS-A

Modbus RTU/TCP to PROFINET Fieldbus Gateway with wide operating temperature