# EKI-1211

### 1-Port RS-232/422/485 Modbus Gateway

Supports up to 16 connections per serial port under Modbus client mode and 32



## 

### Introduction

The EKI-1200 series Modbus gateways are bi-directional gateways for integrating new and existing Modbus/RTU and Modbus/ASCII serial devices to newer TCP/IP networked-based devices. The EKI-1211 feature one independent Ethernet ports and MAC address. It provides a simple and cost-effective way to bring remote management and data accessibility to thousands of devices that cannot otherwise connect to a network. The EKI-1200 series allow users to select client or server operation mode for each serial port. In addition to allowing an Ethernet client to control serial servers, they also allow serial client to control Ethernet servers.

### **Specifications**

### **Ethernet Communications**

•	Compatibility	IEEE 802.3, IEEE 802.3u
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- Speed
- 10/100 Mbps 1

Built-in 2.25 k V<sub>DC</sub> magnetic isolation

None, Odd, Even, Space, Mark

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

RS-485 2-wire: Data+. Data-. GND RS-485 4-wire: TxD+, TxD-, RxD+, RxD- GND

Built-in 8 KV ESD for all signals

RS-422: TxD+, TxD-, RxD+, RxD-, GND

XON/XOFF, RTS/CTS

300 bps ~ 230.4 kbps

RS-232/422/485

1

DB9 male

5, 6, 7, 8

1.1.5.2

- No. of Ports Port Connector 8-pin RJ45
- Protection
- **Serial Communications**
- Port Type
- No. of Ports
- Port Connector
- Data Bits
- Stop Bits
- Parity
- Flow Control
- Baud Rate
- Serial Signals
- Protection
- Software
- Driver Support 32-bit/64-bit Windows 2000/XP/Vista/7/8/8.1/10. Windows Server 2003/2008/2012, and Linux Operation Modes Modbus ASCII Client/Server mode Modbus RTU Client/Server mode Configuration Windows utility ICMP, IP, TCP, UDP, BOOTP, DHCP, Auto IP, HTTP, Protocols DNS, SMTP, ARP, NTP

### **Mechanics**

**Features** 

1 x 10/100 Mbps Ethernet port

2003/2008/2012, and Linux

Baud rate: supports up to 230.4 Kbps

sessions under Modbus server mode Built-in 8-kV ESD protection for all serial signals

Integrates Modbus TCP and Modbus RTU/ASCII networks

Software-selectable RS-232/422/485-2w/485-4w communication

Supports 32/64-bit Windows 2000/XP/Vista/7/8/8.1/10, Windows Server

- Dimensions (W x H x D) 46 x 85.1 x 21.2 mm (1.81" x 3.35' x 0.83')
- Enclosure
- DIN-rail. Wall
- **Power Requirements**
- Connector

### Environment

- Operating Temperature  $-40 \sim 75 \text{ °C} (-40 \sim 167 \text{ °F})$
- -40 ~ 85 °C (-40 ~ 185 °F) Storage Temperature
- Operating Humidity 10~95% RH

### **Regulatory Approvals**

- EMC

CE, FCC Part 15 Subpart B (Class A)

AD\ANTECH **Industrial Ethernet Soultions** 

- 9~36 V<sub>DC</sub>
- - 1 W

# Input

- Terminal block

### System: Power, System Status/LAN: Speed, Link/Active Serial: Tx. Rx

- Consumption

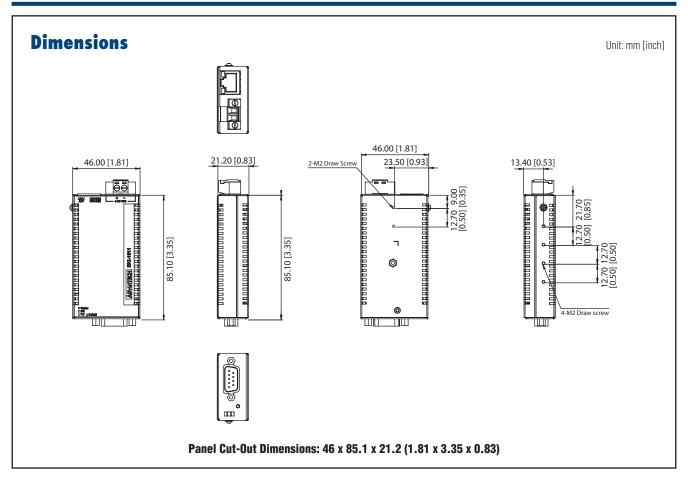
# LED Indicators

# Mountina

- Metal with solid mounting hardware
- 0.127 kg

- General
- Weight

### EKI-1211



### **Ordering Information**

- EKI-1211-A
- 1-Port RS-232/422/485 Modbus Gateway
- BB-RPS-v2-WR2-US Power Adapter 12v 0.5A US
- BB-RPS-v2-WR2-EU Power Adapter 12v 0.5A Europe
- BB-RPS-v2-WR2-UK Power Adapter 12v 0.5A UK