

# IoT-Gateway-9101

## 3-Port 485 Modbus Gateway



### Features

- ◀ 1 x 10/100 Mbps Ethernet port
- ◀ Integrates Modbus TCP and Modbus RTU networks
- ◀ Baud rate: supports up to 230.4 Kbps
- ◀ Built-in 8-kV ESD protection for all serial signals
- ◀ Supports 32/64-bit Windows 2000/XP/7/8/8.1/10/11, Linux, Mac, Android

### Introduction

IoT-Gateway-9101 is a standard Modbus gateway that can convert between Modbus TCP and Modbus RTU communication protocols. Each serial port has a maximum of 31 RTU slaves. Routing via serial ports can be controlled via IP address, TCP port number or ID mapping. Standard Modbus Network Integration Designed for easy integration into Modbus TCP and RTU networks. Using these models, Modbus serial slave devices can be smoothly integrated into an existing Modbus TCP network, and serial masters can access Modbus TCP slaves. The provided functions make network integration simple, customizable and compatible with almost all Modbus networks. High-density, cost-effective gateway, IoT-Gateway-9101 gateway can effectively connect high-density Modbus nodes to the same network.

IoT-Gateway-9101 can manage up to 93 serial slave nodes. Each RS-485 serial port can be individually configured for Modbus RTU operation and different baud rates, allowing both types of networks to be integrated through a single Modbus gateway with Modbus TCP.

### Specifications

#### Ethernet Communications

- ◀ Compatibility IEEE 802.3, IEEE 802.3u
- ◀ Speed 10/100 Mbps
- ◀ No. of Ports 1
- ◀ Port Connector 8-pin RJ45
- ◀ Protection Built-in 2.25 kV

#### Serial Communications

- ◀ Port Type RS-485
- ◀ No. of Ports 3
- ◀ Port Connector Terminal block
- ◀ Data Bits 8
- ◀ Stop Bits 1, 2 (default:1)
- ◀ Parity None, Odd, Even (default:None)
- ◀ Flow Control Auto
- ◀ Baud Rate 300 bps ~ 230.4 kbps (default:9.6K)
- ◀ Serial Signals RS-485 2-wire: Data+, Data-, GND
- ◀ Protection Built-in 8kV ESD for all signals

#### Software

- ◀ Driver Support 32-bit/64-bit Windows 2000/XP/7/8/8.1/10/11, /Linux/Mac/Android
- ◀ Operation Modes Modbus RTU Client/Server mode
- ◀ Configuration WebPage
- ◀ Protocols Modbus TCP, Modbus RTU

#### Mechanics

- ◀ Dimensions (W/H/D) 72 mm x 34 mm x 118 mm
- ◀ Enclosure Metal with solid mounting hardware
- ◀ Mounting DIN-rail, Wall
- ◀ Weight 0.15 kg

#### General

- ◀ LED Indicators System: Power, System: Status, LAN: Speed, Link/Active

#### Power Requirements

- ◀ Input 24 VDC
- ◀ Connector Terminal block
- ◀ Consumption 5 W

#### Environment

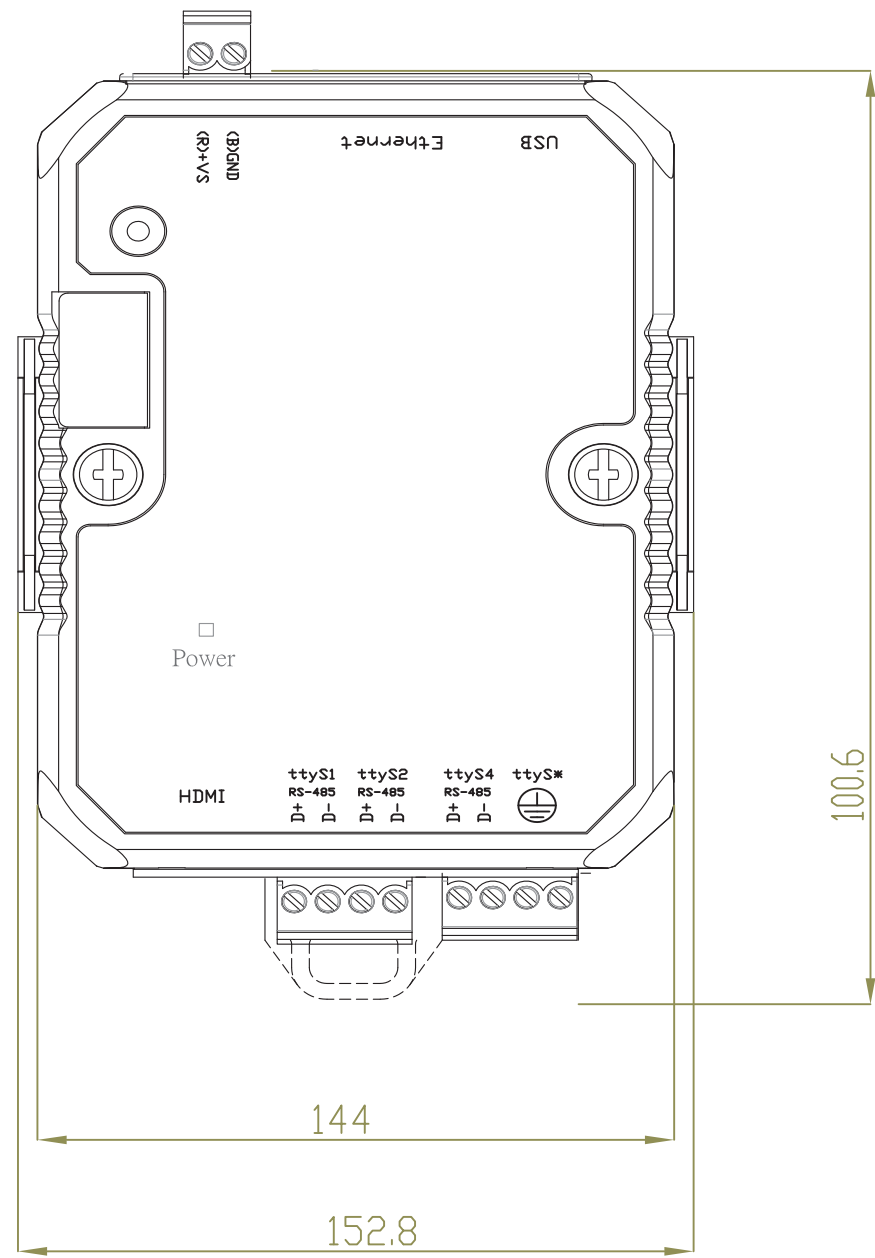
- ◀ Operating Temperature -10 ~ 55 °C
- ◀ Storage Temperature -20 ~ 85 °C
- ◀ Operating Humidity 10 ~ 95% RH

#### Regulatory Approvals

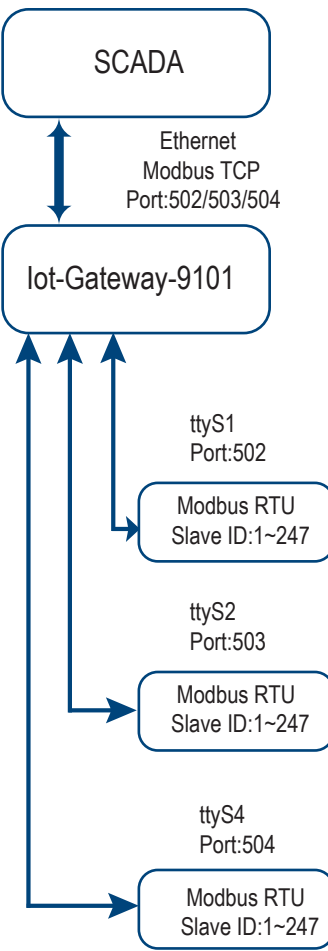
- ◀ EMC CE

Dimensions

Unit: mm



Applications



Ordering Information

- IoT-Gateway-9101 3-Port RS-485 Modbus Gateway
- ASPS Power Adapter 24v 2A