

Data Sheet

# SMG-5420 | RS422/485 Modbus Gateway



## Overview

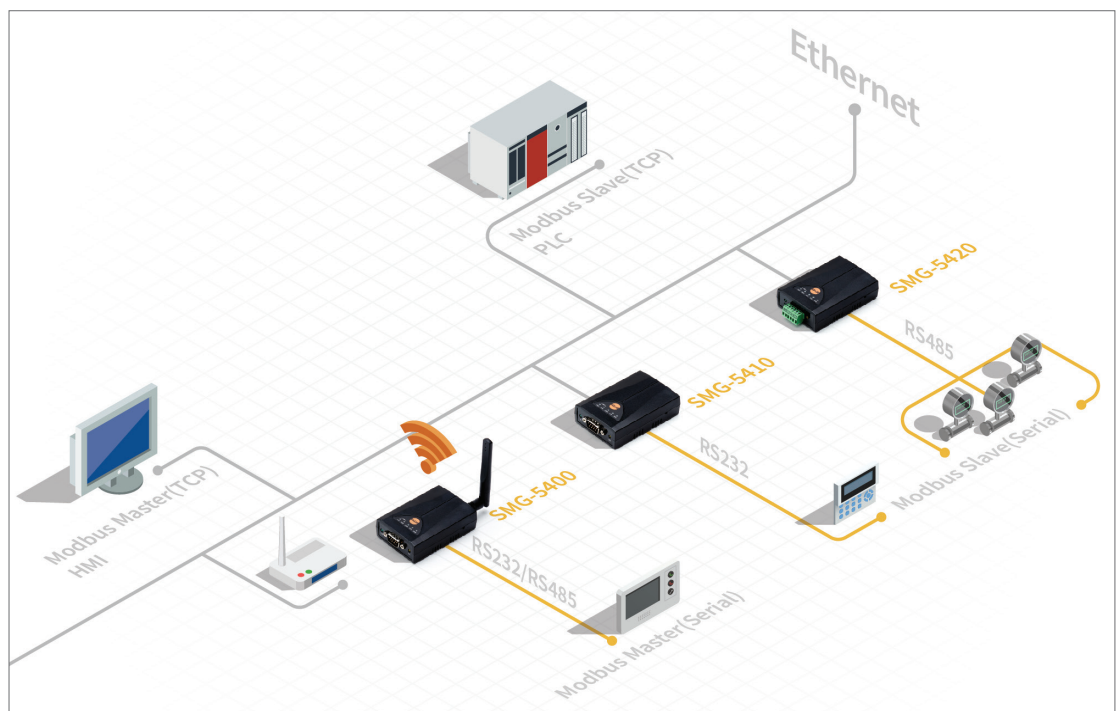
SMG-5420 is an industrial Modbus Gateway that converts and routes Modbus data between the serial line and Modbus/TCP. This can help communicate between Modbus master (or slave) of serial line and Modbus slave (or master) of network.

SMG-5420 provides 10/100Mbps Ethernet and RS422/RS485 serial port.

## Features

- RS422/485 Modbus Gateway
- 10Base-T/100Base-TX Ethernet
- RS422/485 serial port
- Support multiple TCP connection (Max. 4 channels)
- Free Modbus/TCP program
- Industrial temperature range (-40°C ~ +85°C)

## System Diagram



# Specifications

Serial Physical Interface	
Serial Interface	RS422/RS485 - TX+, TX-, RX+, RX-, GND with embedded 3.9K biasing resistors and TVS TRX+, TRX-, GND with embedded 3.9K biasing resistors and TVS
Connector	3.5mm Pitch Terminal Block
Serial Port Properties	
Baudrate	1,200bps ~ 230,400bps
Data Bits	8 bits, 7 bits with Parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet (RJ45) Ethernet Speed Auto Sense 1:1 or Cross-over Cable Auto Sense
Software Functions	
Protocols	IPv4/IPv6 Dual Stack TCP/UDP ICMP, DHCP, mDNS, Modbus/TCP Modbus/RTU, Modbus/ASCII SSL/TLS
Indicators (LEDs)	
LED	PWR, LINK, RUN, MTX, MRX, STX, SRX, STS
Management	
spFinder	Configuration and Monitoring Tool
Security	Password
Dimension	
Size	94mm x 57mm x 23mm
Weight	About 67g
Operating Environments	
Input Voltage	DC 5±0.5V
Protection	Reverse Voltage Protection / Surge Protection
Current Consumption	Typically, 145mA
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C
Certificate	
KC	Registration (KN 32, KN 35)
CE	EMC 2014/30/EU, RoHS 2011/65/EU
FCC	FCC Part 15 Subpart B, Class A