

Data Sheet

SMG-5400 | Wireless LAN Modbus Gateway



Overview

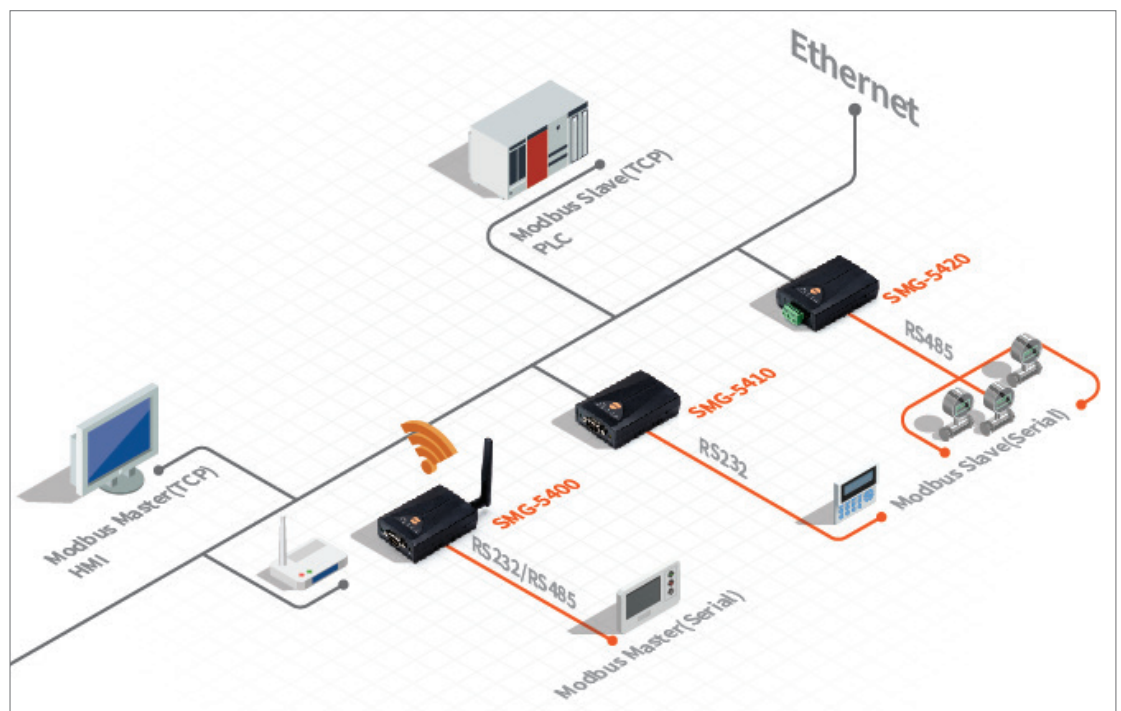
SMG-5400 is an industrial Modbus Gateway that converts and routes Modbus data between the serial line and Modbus/TCP. This can help communicate between Modbus master (or slave) of serial line and Modbus slave (or master) of network.

SMG-5400 provides IEEE802.11b/g wireless LAN and a universal serial port which can be selected to RS232, RS422 or RS485.

Features

- Wireless LAN Modbus Gateway
- IEEE 802.11b/g 2.4GHz wireless LAN
- A universal serial port which can be selected to RS232, RS422 or RS485
- Support multiple TCP connection (Max. 4 channels)
- Free Modbus/TCP program
- RP-SMA connector for an external antenna

System Diagram



Specifications

Serial Physical Interface	
Serial Interface	RS232 : RXD, TXD, GND, RTS, CTS
	RS422/RS485 : TX+, TX-, RX+, RX-, GND with embedded 3.9K biasing resistors TRX+, TRX-, GND with embedded 3.9K biasing resistors
Connector	9 pin D-sub male
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	IEEE802.11b/g Wireless LAN with RP-SMA
Software Functions	
Wireless LAN Mode	Infrastructure, Soft-AP
Protocols	IPv4/IPv6 Dual Stack
	TCP/UDP
	ICMP, DHCP, mDNS, Modbus/TCP
	Modbus/RTU, Modbus/ASCII
	WPA-PSK / WPA2-PSK, WPA-Enterprise (TTLS / PEAP)
Indicators (LEDs)	
LED	PWR, LINK, RUN, MTX, MRX, STX, SRX
Management	
spFinder	Configuration and Monitoring Tool
Security	Password
Dimension	
Size	88.5mm x 57mm x 23mm (excluding antenna)
Weight	About 65g (excluding antenna)
Operating Environments	
Input Voltage	DC 5±0.5V
Current Consumption	Typically, 210mA
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-20°C ~ +60°C
Certificate	
KC	Certificate(KN 301 489-1, KN 301 489-17, KN 32, KN 35, KS X 3123:2018)
CE	RED 2014/53/EU, RoHS 2011/65/EU
FCC	FCC Part 15 Subpart C