Data Sheet
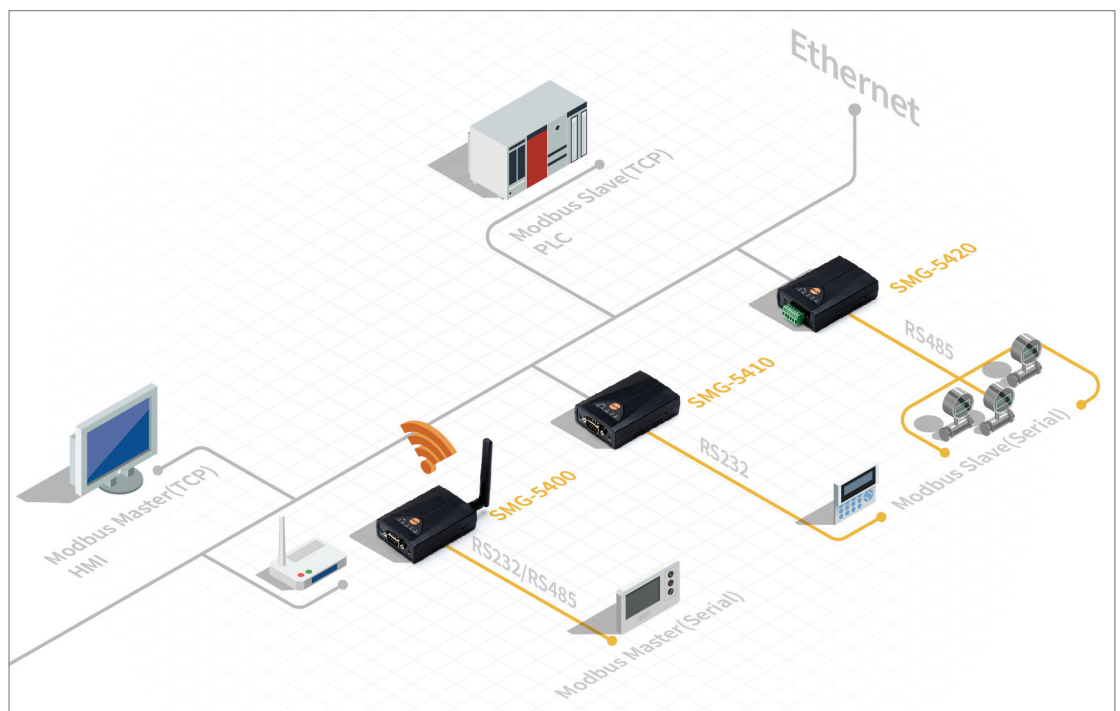# SMG-5400 | Wireless LAN Modbus Gateway

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
· Self-developed TCP/IP stack
· RP-SMA connector for an external antenna

System Diagram

Specifications

	Serial Physical Interface	
Serial Interface	RS232 - RXD, TXD, RTS, CTS, GND	
	RS422 - RX+, RX−, TX+, TX−, GND with embedded 3.9K biasing resistors	
	RS485 - 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	
Wireless LAN Interface	IEEE802.11b/g Wireless LAN	
	Supplied with a dipole 2dBi Antenna	
	Reverse Polarity SMA connector for external antennas	
	Software Functions	
Protocols	IPv4/IPv6 Dual Stack	
	TCP/UDP, ICMP, DHCP, Modbus/TCP, mDNS	
	Modbus/RTU, Modbus/ASCII	
	WPA-PSK / WPA2-PSK	
	WPA-Enterprise (TLS/TTLS/PEAP)	
Security	Password	
	Indicators (LEDs)	
PWR	Red	
RUN	Yellow	
LINK	Green	
MTX	Green	
MRX	Yellow	
SRX	Yellow	
STX	Green	
	Management	
spFinder	Configuration and Monitoring Tool through USB	
	Dimension	
Size	88.5mm x 57mm x 23mm (excluding antenna)	
	Operating Environments	
Input Voltage	DC 5±0.5V	
Current Consumption	210mA Typical	
Operating Temperature	−20℃ ~ +60℃	
Storage Temperature	−20℃ ~ +60℃	
	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	