

Data Sheet

SMG-5400 | Wireless LAN Modbus Gateway



Overview

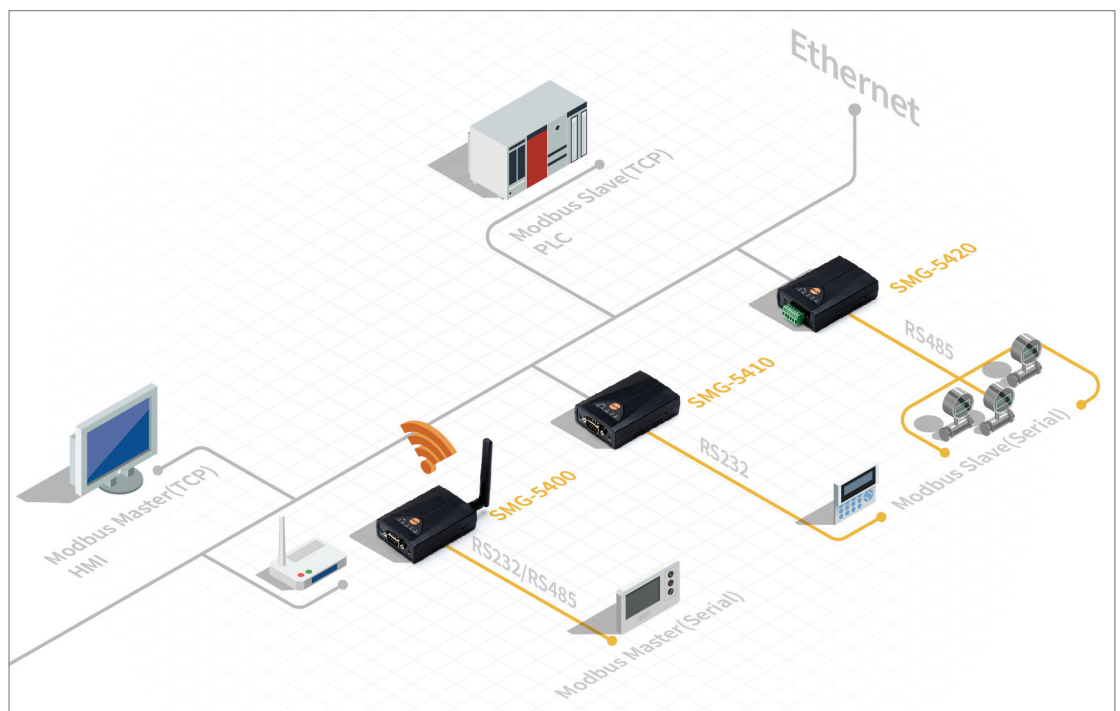
SMG-5400是将串口线的Modbus数据(RTU或是ASCII模式)与网络上的Modbus/TCP数据进行相互转换及途径,让串口线的Modbus Master(或是Slave)与网络上的Modbus Slave(或是Master)相互通信的工业用Modbus Gateway。

SMG-5400支持IEEE802.11b/g无线网络并可以提供一个RS232, RS485或是RS422的通用串口端口。

Features

- 无线网络 Modbus Gateway
- IEEE 802.11b/g 2.4GHz 无线网络
- 可选择为RS232, RS485或是RS422使用的通用串口端口
- 自主开发无线网线及TCP/IP协议栈
- 支持外置天线的RP-SMA连接器

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°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