

Datasheet

SMG-5620 | Serial Modbus Gateway



Overview

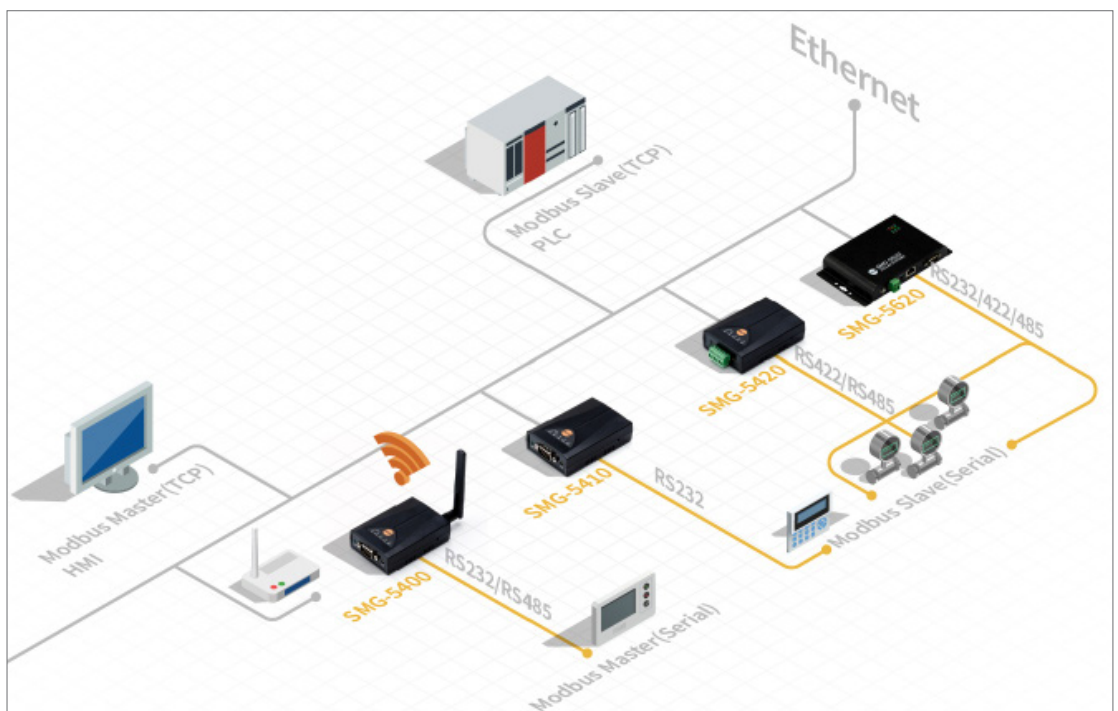
SMG-5620 is an industrial Modbus Gateway that converts and routes Modbus data between the serial line and Modbus/TCP. This can help communicate between Modbus master (or slave) of serial line and Modbus slave (or master) of network.

SMG-5620 provides 10/100Mbps Ethernet and a universal serial port which can be selected to RS232, RS422 or RS485.

Features

- Robust steel case
- Built-in overvoltage protection circuit
- Frame ground terminal
- 10/100Mbps Ethernet
- Isolated universal serial port: RS232, RS422 or RS485
- Supports multiple TCP connection (Max. 4 channels)
- Supports the Bypass mode
- Industrial temperature specifications (-40°C ~ +85°C)

System Diagram



Specifications

Serial Physical Interface	
Serial Interface	RS232 : RXD, TXD, GND, RTS, CTS
	RS422 : TX+, TX-, RX+, RX-, GND with embedded 3.9K biasing resistors
	RS485 : TRX+, TRX-, GND with embedded 3.9K biasing resistors
Connector	9 pin D-sub male
Isolation	Electrically isolated (2500V rms for 1 minute)
Serial Port Property	
Baudrate	1,200bps ~ 230,400bps
Data Bits	8, 7
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, Modbus/TCP, mDNS
	Modbus/RTU, Modbus/ASCII
Indicators (LEDs)	
PWR	Red
STS	Yellow
MTX	Green
MRX	Green
STX	Green
SRX	Green
Management	
spFinder	Configuration and Monitoring Tool
Security	Password
Dimension	
Size	158mm x 90mm x 24mm
Weight	About 364g
Operating Environments	
Input Voltage	PWR1 - Terminal Block, DC8.5V~38V
	PWR2 - DC jack, DC4.5V~5.5V
Current Consumption	Typically, 2W at DC 12V and 1.6W at DC 5V
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