SG-1160/ALL

»Features

- Maximum Communication Speed: 921.6kbps
- Operating Temperature: 0 ~ 50°C
- RS-232/422/485 Interface: 16 ports
- 10/100Mbps Ethernet: 2 ports
- Provides COM Port Redirector, PortView, TestView
- Modbus TCP Mater/Slave

- Modbus Serial (ASCII) to Modbus TCP
- Modbus Serial (RTU) to Modbus TCP
- Management/Monitoring with Web Browser, Telnet, SSH, SNMP, PortView, SGConfig
- Built-in ±15kV IEC ESD Protection
- Provides 19inch Rack Mount Kit

Overview

SG-1160 can be used anywhere in the network to connect to serial device using the RJ45 for the RS-232/422/485. This device server supports maximum 921.6kbps for the RS-232/422/485 serial interface. The COM Redirector is provided for remote control, monitoring and data communication. The SerialGate family is ideal for POS, medical use, factory automation and building automation field.

Provides Ethernet Based Serial Communication

Easily connect RS-232/422/485 serial devices to your network using the SG-1160 which can be conveniently placed next to your serial equipment.

High Performance and Reliable

By removing the fan which causes frequent failure of the product, the reliability of the product was enhanced. Considering unstable power supply in the industrial field, protections against, over-voltage, over-current, and reverse voltage were provided as well as using the reliable components when designing the product for superior reliability and high performance at the same time.

Mountable

Integrated mounting ears affixed to the side enables easy and secure placement on any surface or to install on a DIN rail using a mounting bracket.

Provides Various Software Utilities

The SerialGate series comes with following utilities:
COM Port Redirector : This utility allows the users to add virtual port to the PC without modifying the client software to enable the serial communication.

PortView™ : Monitoring and managing utility for the serial ports in the SerialGate.
TestView™ : A utility for checking performance and stability of the data communication between the serial ports and Ethernet port.
SGConfig : A utility for Windows operating system to configure.

Specification

Network

Protocol	TCP, UDP, Telnet, ICMP, DHCP, TFTP, HTTP, SNMP, SSH, SSL, MODBUS TCP
Ethernet	2 ports 10/100 Mbps RJ-45

Serial

Number of ports	16 Serial Ports
Protocol	MODBUS ASCII/RTU
Interface	RS-232/RS-422/RS-485 (RJ45)
Maximum Speed	921.6 kbps
Signal Lines	RS-232: TXD, RXD, DTR, DSR, RTS, CTS, DCD, GND RS-422: TXD+, TXD-, RXD+, RXD- RS-485: TRXD+, TRXD-
Data Bits	5, 6, 7, 8
Stop Bits	1, 2
Parity Bits	None, Even, Odd
Flow Control	RTS/CTS, XON/XOFF

Software

OS	Embedded LINUX
Management Tool	PortView™, SNMP, Web, SGConfig
Configuration	Web, SSH, Telnet, SGConfig
Security	SSH
Utility (Supported OS)	COM Port Redirector for Windows 7/ 2008/ 8.1/ 10/ 2012

Hardware

LED	TX, RX, Power, WAN, LAN, Ready
Power Requirement	100~220 VAC (AC Model), Consumption: 2.5W
Dimensions	430 (W) x 180.8 (L) x 44 (H) mm
Weight	2470g

Operating Environment

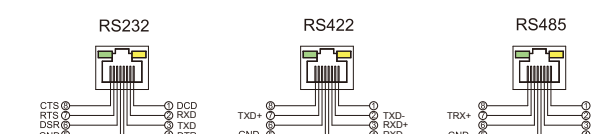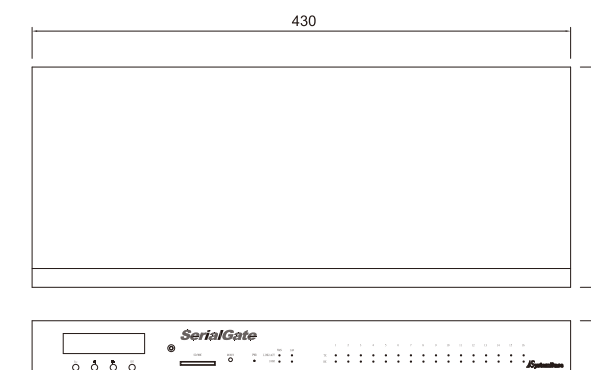| Operating Temperature	0 ~ 50 °C
Storing Temperature	-20 ~ 70 °C
Humidity	5 ~ 95% Non-Condensing

Certifications

KC, CE, FCC

Ordering Information

SG-1160/ALL	SG-1160/ALL, Direct LAN Cable, AC Power Cable, CD(Manual and Utility)

Pin Assignment

RS232   RS422   RS485

CTS / DCD
RTS / RXD
DSR / TXD
GND / DTR

TXD+ / TXD-
GND / RXD+ / RXD-

TRX+ / TRX-
GND

Dimension

430

180.8

44

SerialGate

unit : mm

Sales : marketing@sysbas.com
Technical Support : www.solvline.com