

# SG-2021DIL

**Industrial Grade**


## » Features

- Maximum Communication Speed: 921.6kbps
- Supports Industrial Grade Temperature: -40 ~ 85°C
- RS-232/422/485 Interface: 2 port
- 10/100Mbps Ethernet: 1 port
- Modbus TCP Master/Slave
  - Modbus Serial (ASCII) to Modbus TCP
  - Modbus Serial (RTU) to Modbus TCP
- Provides COM Port Redirector, PortView, TestView
- Management/Monitoring with Web Browser, Telnet, SSH, SNMP, PortView, SGConfig
- Built-in  $\pm 15\text{kV}$  IEC ESD Protection
- DIN Rail Mountable
- Provides 19" Rack Mount Kit

## Overview

SG-2021DIL can be used anywhere in the network to connect to serial device using the 9 pin D-sub interface with DE shell size. This device server support maximum 921.6kbps for the RS-232/422/485 serial interface. The COM Port Redirector is provided for remote control, monitoring and data communication. The SerialGate family is ideal for POS, factory automation and building automation field.

### Optimized for Industrial Use

SG-2021DIL provides two types of power connection. The users can use the adapter or the terminal block to supply power to the system. The system supports operating temperature from -40 to 85°C (by IEC 60068-2-33 temperature cycle) and pass the IEC 60068-2-30 temperature and humidity environment test. It provides stable operation in tough environment for industrial use.

### Enhanced Surge and ESD Protection

To provide high reliability and stability, SerialGate has passed the tests with IEC 61000-4-2(ESD Level 4),  $\pm 8\text{kV}$ (Contact),  $\pm 15\text{kV}$ (Non-contact), and  $\pm 15\text{kV}$ (HBM). The IEC 61000-4-4(40A) and IEC 61000-4-5(24A) standard for surge protection is a built-in feature for possible incident of ESD, EFT, and surge to operate stably. This will eliminate malfunction or damaging the product with overcurrent.

### 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, Telet, ICMP, DHCP, TFTP, HTTP, SNMP, SSH, SSL, MODBUS TCP
Ethernet	1 port 10/100 Mbps RJ-45

### Serial

Number of ports	2 Serial Ports
Protocol	MODBUS ASCII/RTU
Interface	RS-232/RS-422/RS-485 [DE-09P (DB 9 Male)]
Maximum Speed	921.6 kbps
Signal Lines	Please refer to the Pin Assignment from the Dimension tab
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, TestView™
Configuration	Web, SSH, Telnet, SGConfig
Security	SSH
Utility (Supported OS)	COM Port Redirector for Windows 7/ 2008/ 8.1/ 10/ 2012

### Hardware

LED	Ready, Serial
Power Requirement	12V DC, 1A Adapter (Screw Type), Terminal Block (VCC/GND/FGND), Consumption: 2W
Dimensions	101.8(W) x 82.6(L) x 26.7(H)mm
Weight	199.4g

### Operating Environment

Operating Temperature	-40 ~ 85 °C
Storing Temperature	-60 ~ 150 °C
Humidity	5 ~ 95% Non-Condensing

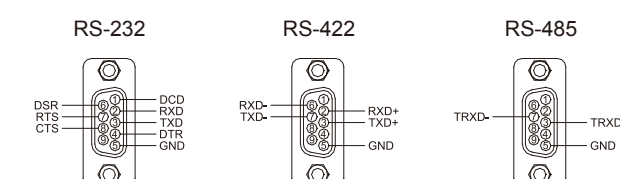
### Certifications

KC, CE

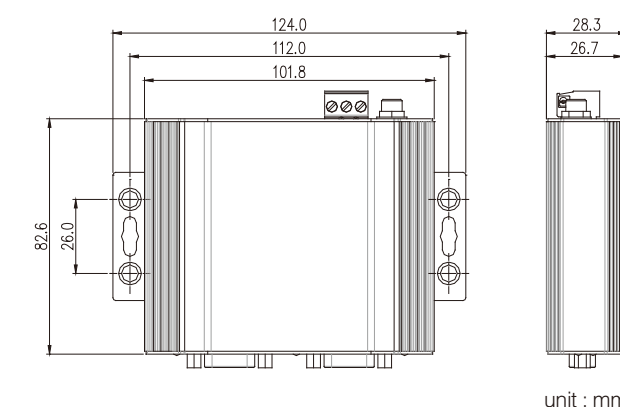
## Ordering Information

SG-2021DIL/ALL	SG-2021DIL/ALL, Direct LAN Cable, Power Adapter(12V/1A), CD(Manual & Utility)
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## Pin Assignment



## Dimension



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