SystemBase
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Device Sever

SG-2081DIL

Industrial Grade

RoHS

>> Features

- Maximum Communication Speed: 921.6Kbps
- Supports Industrial Grade Temperature: -40 ~ 85°C
- RS-232 or RS-232/422/485 Interface: 8 port
- 10/100Mbps Ethernet: 2 port
- Provides COM Port Redirector, PortView, TestView
- Management/Monitoring with Web Browser, Telnet, SSH, SNMP, PortView, SGConfig
- Built-in ±15KV IEC ESD Protection
- DIN Rail Mountable
- Provides 19" Rack Mount Kit

Overview

SG-2081DIL 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 or 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-2081DIL 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), ±8KV(Contact), ±15KV(Non-contact), and ±15KV(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.

Specification

Network

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

Serial

Number of ports	8 Serial Ports
Interface	RS232 (DE9) RS232/RS422/RS485 (DE9)
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 2000 / XP / 2003 / Vista / 7 / 2008 / 8 / 8.1

Hardware

LED	Ready, Serial
Power Requirement	12V DC, 3A Adapter (Screw Type), Terminal Block (VCC/GND/FGND), Consumption: 2W
Dimensions	237(W) x 142.6(L) x 48.6(H)mm
Weight	1029.6g(ALL), 1028.1g(232)

Operating Environment

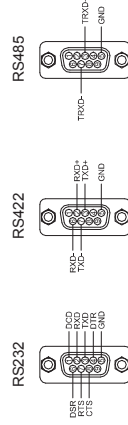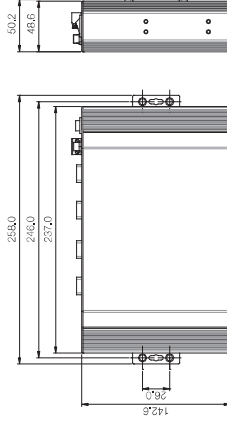| Operating Temperature	-40 ~ 85 °C
Storing Temperature	-60 ~ 150 °C
Humidity	5 ~ 95% Non-Condensing

Certifications

KC, CE	

Ordering Information

SG-2081DIL/232	SG-2081DIL/232, Direct LAN Cable, Power Adapter(12V/3A), CD(Manual & Utility)
SG-2081DIL/ALL	SG-2081DIL/ALL, Direct LAN Cable, Power Adapter(12V/3A), CD(Manual & Utility)

Pin Assignment

RS232   RS422   RS485

DCD DSR RTS TXD RXD CTS GND DTR

RXD- FRXD- TXD- TXD+ GND

TRXD- TRXD+ TRXD+ GND

Dimension

unit : mm