

# SerialGate

## Serial to LAN Device Server

SerialGate is a device server that connects legacy serial devices to LAN . It has models with 1, 2, 4, 8,16 ports to provide suitable environment for various needs and Dimensions of the networks. SerialGate can be applied in many applications of practice such as: Connecting POS(Point of Sale) related devices; Connecting various serial devices in factories; Monitoring/ controlling/ data gathering of remote serial devices through web browser; Manipulating security/medical devices; Building Automation; Machinery operations.



### Features

#### Remote Management

With the management program, PortView, all serial devices connected to SerialGate can be monitored and managed in real-time. All input/output serial data can be tracked or saved as a file.

#### COM Port Redirection

Serial ports of SerialGate connected by network can be used just like COM ports on the user's PC.

#### Various Serial Interface

RS-232 or RS422 / 485 can be selected at own needs.

## SerialGate-1010 RS232 Model

1 Port RS232 Serial interface to LAN Device server



## SerialGate-1010 Combo Model

1 Port Combo( RS422/RS485) Serial interface to LAN Device server



## SerialGate-1020 RS232 Model

2 Port RS232 Serial interface to LAN Device server



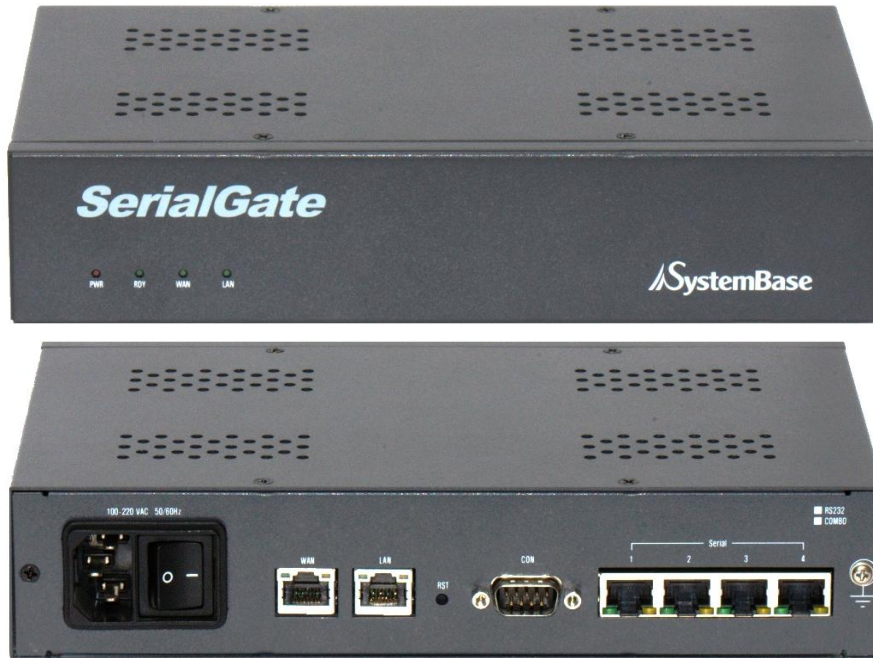
## SerialGate-1020 Combo Model

2 Port Combo( RS422/RS485) Serial interface to LAN Device server



● **SerialGate-1040 RS232/Combo Model**

**4 Port RS232 or Combo( RS422/RS485) Serial interface to LAN Device server**



● **SerialGate-1080 RS232/Combo Model**

**8 Port RS232 or Combo( RS422/RS485) Serial interface to LAN Device server**



● **SerialGate-1160 Model**

**16 Port RS232/RS422/RS485 Serial interface to LAN Device server**



## Communication

<b>LAN Port</b>	SerialGate-1010/1020: 10/100Mbps RJ-45 Port * 1 SerialGate-1040/1080/1160: 10/100Mbps RJ-45 Port * 2
<b>Network</b>	Static IP, DHCP
<b>Serial Port Num.</b>	SerialGate-1010 series : 1 Port (RJ 45) SerialGate-1020 series : 2 Port (RJ 45) SerialGate-1040 series : 4 Port (RJ 45) SerialGate-1080 series : 8 Port (RJ 45) SerialGate-1160 : 16 Port (RJ 45)
<b>Serial Type</b>	RS232 version : RS232 Combo version : RS422/RS485 ALL version : RS232/RS422/RS485
<b>Serial Speed</b>	MAX 921.6Kbps

## Software

<b>Protocols</b>	TCP, UDP, Telnet, ICMP, DHCP, TFTP, HTTP, SNMP 1/2/3, SSH, SSL
<b>Management Tool</b>	Portview
<b>Configuration</b>	Telnet, Web

## Hardware

<b>Processor</b>	SerialGate-1010/1020 : ARM9 (210 MHz)
	SerialGate-1040/1080/1160 : ARM9 (400 MHz)
<b>Flash Memory</b>	8 MB,(SerialGate-1010: 4M)
<b>SDRAM</b>	32 MB
<b>SD/MMC Card</b>	SerialGate-1010/1020 : Not Support
	SerialGate-1040/1080/1160 : Micro SD Support (Max 32GB)
<b>Power</b>	SerialGate-1010/1020: DC 9 ~ 30V Adapter, Terminal Block
	SerialGate-1040/1080/1160: 100 - 220 VAC (Free Volt)
<b>Dimensions</b>	SerialGate-1010/1020: 71.9(W)*107.5(L)*25.2(H)mm
	SerialGate-1040/1080: 240(W) * 150(L)* 50(H)mm
	SerialGate-1160: 430(W) * 193(L)* 45(H)mm
<b>Weight</b>	SerialGate-1010 series : 125g
	SerialGate-1020 series : 130g
	SerialGate-1040 series : 1175g
	SerialGate-1080 series : 1215g
	SerialGate-1160 series : 2470g
<b>Temperature</b>	SerialGate-1010/1020: -40℃ ~85℃
	SerialGate-1040/1080/1160: 0℃ ~50℃
<b>Humidity</b>	Max 95% R,H
<b>LED</b>	Power, Serial, Ready, Link
<b>Serial Port Protection</b>	± 15KV ESD Protection

## Ordering information

<b>SerialGate-1010 RS232</b>	1 x Serial Port (RS232 only)
<b>SerialGate-1010 Combo</b>	1 x Serial Port (RS422/RS485 selectable )
<b>SerialGate-1020 RS232</b>	2 x Serial Port (RS232 only)
<b>SerialGate-1020 Combo</b>	2 x Serial Port (RS422/RS485 selectable )
<b>SerialGate-1040 RS232</b>	4 x Serial Port (RS232 only)
<b>SerialGate-1040 Combo</b>	4 x Serial Port (RS422/RS485 selectable )
<b>SerialGate-1080 RS232</b>	8 x Serial Port (RS232 only)
<b>SerialGate-1080 Combo</b>	8 x Serial Port (RS422/RS485 selectable )
<b>SerialGate-1160 (All)</b>	16 x Serial Port (RS232/RS422/RS485 selectable )