

# SerialGate

## Serial to Ethernet Device Server

SerialGate is a device server that connects existing devices with Ethernet network.

SerialGate series support 1, 2, 4, 8, 16 ports of serial communication ports.

SerialGate can be connected to POS (Point of Sale), different kinds of devices in the factories, where you can use your web browser to remotely support or monitoring/control/collect data.

Therefore, it is a device server that can be used effectively for security, medical device control, manufacturing automation, mechanical control, processing monitor and so on.



### Features

#### Remote Management

With the management program, PortView, all serial devices connected to SG 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 SG connected by network can be used just like COM ports on the user's PC.

#### Various Serial Interfaces

RS232, RS422, and/or RS485 can be selected at own needs.

## Specification Sheet of Industrial SerialGate

### *SG-2011RIL/ALL Model*

1 Port ALL Serial RJ45 Connector interface to LAN Device Server



### *SG-2011DIL/ALL Model*

1 Port ALL Serial DB9 Connector interface to LAN Device server



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## Specification Sheet of Industrial SerialGate

### *SG-2021RIL/ALL Model*

2 Ports ALL Serial RJ45 Connector interface to LAN Device Server



### *SG-2021DIL/ALL Model*

2 Ports ALL Serial DB9 Connector interface to LAN Device server



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## Specification Sheet of Industrial SerialGate

### *SG-2040RCL/ALL Model*

4 Ports ALL Serial RJ45 Connector interface to LAN Device Server



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# Specification Sheet of Industrial SerialGate

## *SG-2040DCL/ALL Model*

4 Ports ALL Serial DB9 Connector interface to LAN Device server



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## Specification Sheet of Industrial SerialGate

### *SG-2041RIL/ALL Model*

4 Ports ALL Serial RJ45 Connector interface to LAN Device Server



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## Specification Sheet of Industrial SerialGate

### *SG-2041DIL/ALL Model*

4 Ports ALL Serial DB9 Connector interface to LAN Device server



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## Specification Sheet of Industrial SerialGate

### *SG-2080RCL/ALL Model*

8 Ports ALL Serial RJ45 Connector interface to LAN Device Server



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## Specification Sheet of Industrial SerialGate

### *2080DCL/ALL Model*

8 Ports ALL Serial DB9 Connector interface to LAN Device server



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## Specification Sheet of Industrial SerialGate

### *SG-2081RIL/ALL Model*

8 Ports ALL Serial RJ45 Connector interface to LAN Device Server



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## Specification Sheet of Industrial SerialGate

### *SG-2081DIL/ALL Model*

8 Ports ALL Serial DB9 Connector interface to LAN Device server



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## Specification Sheet of Industrial SerialGate

### *SG-2160RCL/ALL Model*

16 Ports ALL Serial RJ45 Connector interface to LAN Device Server



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## Specification Sheet of Industrial SerialGate

### *SG-2161RIL/ALL Model*

16 Ports ALL Serial RJ45 Connector interface to LAN Device Server



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# Specification Sheet of Industrial SerialGate

## Product Specification

### Communication ( Ethernet )

LAN Port	SG-2011R Series SG-2011D Series SG-2021R Series SG-2021D Series	1 port of 10/100Mbps RJ-45
	SG-204xR Series SG-204xD Series SG-208xR Series SG-208xD Series SG-216xR Series	2 ports of 10/100Mbps RJ-45
Network Connection	Static IP, Dynamic IP	

### Communication ( Serial )

Mode & Number of Ports	SG-2011R Series	1 Port RJ-45 ( RS232 or RS232/RS422/RS485 )
	SG-2011D Series	1 Port DB-9 ( RS232 or RS232/RS422/RS485 )
	SG-2021R Series	2 Ports RJ-45 ( RS232 or RS232/RS422/RS485 )
	SG-2021D Series	2 Ports DB-9 ( RS232 or RS232/RS422/RS485 )
	SG-204xR Series	4 Ports RJ-45 ( RS232 or RS232/RS422/RS485 )
	SG-204xD Series	4 Ports DB-9 ( RS232 or RS232/RS422/RS485 )
	SG-208xR Series	8 Ports RJ-45 ( RS232 or RS232/RS422/RS485 )
	SG-208xD Series	8 Ports DB-9 ( RS232 or RS232/RS422/RS485 )
	SG-216xR Series	16 Ports RJ-45 ( RS232 or RS232/RS422/RS485 )
Speed	Max 921.6kbps	
Data bit	5, 6, 7, 8	
Stop bit	1, 2	
Parity bit	None, Even, Odd	
Flow Control	RTS/CTS, XON/XOFF	
Signals	RS232: TXD, RXD, DTR, DSR, CTS, RTS, DCD RS422: TXD+, TXD-, RXD+, RXD- RS485: TRXD+, TRXD-	

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## Specification Sheet of Industrial SerialGate

### Hardware ( Electrical )

Power Supply	SG-2011 Series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 2W
	SG-2021 Series	12~48VDC Adapter or Terminal Block Power Consumption: 2.8W
	SG-2040 Series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 3.6W
	SG-2041 Series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 3.6W
	SG-2080 Series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 4.5W
	SG-2081 Series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 4.5W
	SG-2160 series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 7.2W
	SG-2161 series	12 ~ 48VDC Adapter or Terminal Block Power Consumption: 7.2W
u-SD CARD	SG-204x Series	u-SD Card Support (Maximum 32GB)
	SG-208x Series	
	SG-216x Series	
ESD Protection	±15kV ESD (HBM), IEC 61000-4-4, IEC 61000-4-5 Protection Support	
Indicator LED	Power, Serial, Ready, Link, Serial Communication Traffic Indicator	

### Hardware ( Physical )

Dimension	SG-2011 Series	75.8(W) x 83.6(L) x 28.4(H)mm
	SG-2021 Series	101.7(W) x 83.6(L) x 26.8(H)mm
	SG-204x, 208x, 216x Series	237.0(W) x 143.6(L) x 48.7(H)mm
Weight	SG-2011RIL/ALL	163.8g
	SG-2011DIL/ALL	166.6g
	SG-2021RIL/ALL	191.1g
	SG-2021DIL/ALL	199.4g
	SG-2040RCL/ALL	965.5g
	SG-2041RIL/ALL	955.4g
	SG-2040DCL/ALL	964.8g
	SG-2041DIL/ALL	963.8g
	SG-2080RCL/ALL	976.8g
	SG-2081RIL/ALL	966.8g
	SG-2080DCL/ALL	1040.3g
	SG-2081DIL/ALL	1029.6g
Operation	SG-2160RCL/ALL	1058.8g
	SG-2161RIL/ALL	1048.9g
Operation	Industrial Grade	-40 ~ 85°C

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## Specification Sheet of Industrial SerialGate

Temperature	Commercial Grade	0 ~ 70°C
Humidity	5 ~ 95% (non-condensing)	

### Reset Button

Feature	Action	Result
Warm Booting	Press for less than 3 sec.	SerialGate reboots
Factory Default	Press for 3 sec. or more.	Restores the factory default setting

### Software

Protocol	TCP, UDP, Telnet, ICMP, DHCP, TFTP, HTTP, SNMP 1/2/3, SSH, SSL IPv4, IPv6, Modbus TCP RTU/ASCII
Management Tool	PortView, SNMP, TestView
Configuration	Web, SSH, Telnet, SGConfig
Security	SSH

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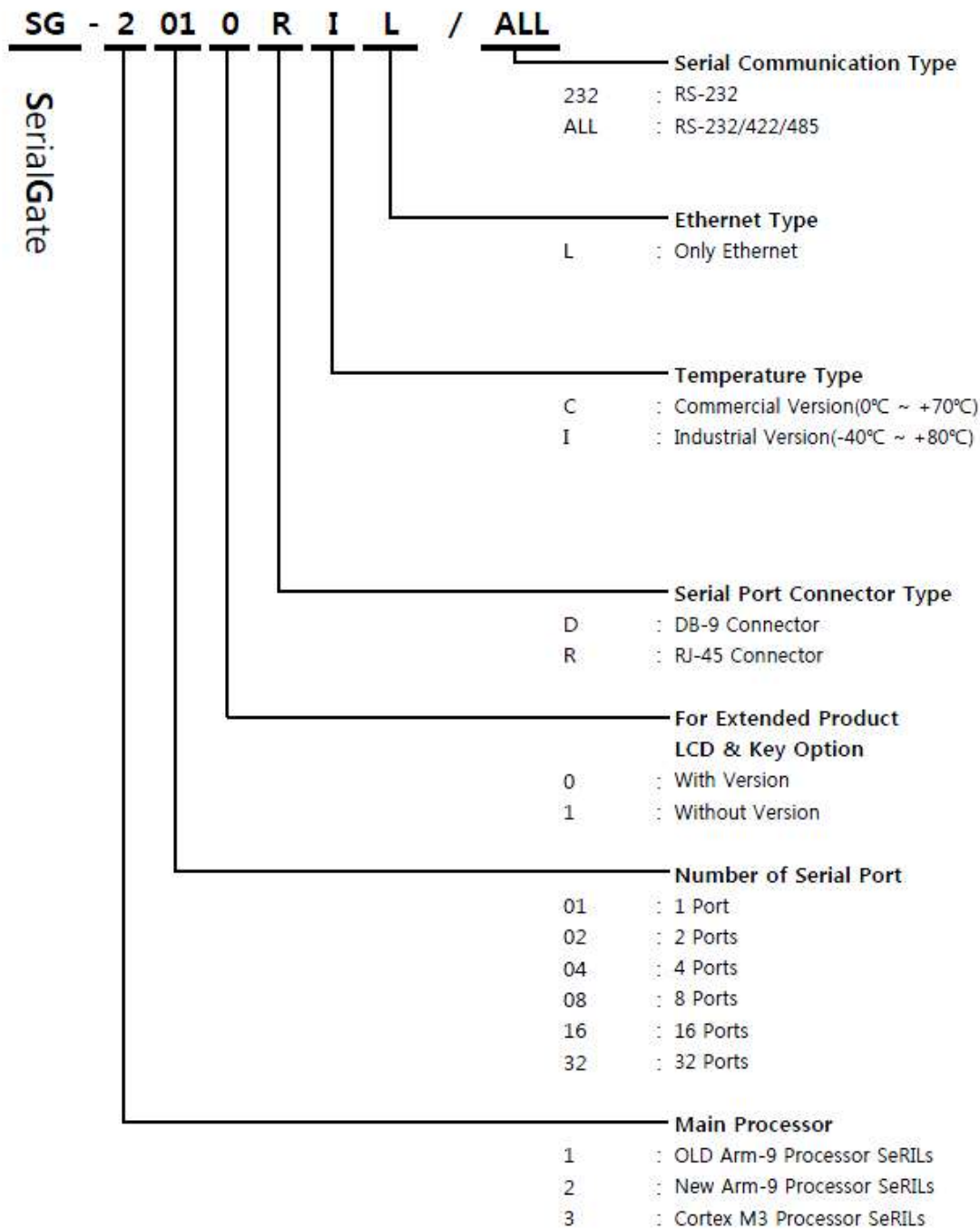
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# Specification Sheet of Industrial SerialGate

## Ordering Information



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## Specification Sheet of Industrial SerialGate

<b>1 Port Series</b>	
SG-2011RIL/ALL	1 Port RJ-45 Port, RS232/422/485, Industrial, Ethernet
SG-2011DIL/ALL	1 Port DB-9 Port, RS232/422/485, Industrial, Ethernet
<b>2 Ports Series</b>	
SG-2021RIL/ALL	2 Port RJ-45 Port, RS232/422/485, Industrial, Ethernet
SG-2021DIL/ALL	2 Port DB-9 Port, RS232/422/485, Industrial, Ethernet
<b>4 Ports Series</b>	
SG-2040RCL/ALL	4 Port RJ-45 Port, RS232/422/485, Commercial, Ethernet, LCD
SG-2040DCL/ALL	4 Port DB-9 Port, RS232/422/485, Commercial, Ethernet, LCD
SG-2041RIL/ALL	4 Port RJ-45 Port, RS232/422/485, Industrial, Ethernet
SG-2041DIL/ALL	4 Port DB-9 Port, RS232/422/485, Industrial, Ethernet
<b>8 Ports Series</b>	
SG-2080RCL/ALL	8 Port RJ-45 Port, RS232/422/485, Commercial, Ethernet, LCD
SG-2080DCL/ALL	8 Port DB-9 Port, RS232/422/485, Commercial, Ethernet, LCD
SG-2081RIL/ALL	8 Port RJ-45 Port, RS232/422/485, Industrial, Ethernet
SG-2081DIL/ALL	8 Port DB-9 Port, RS232/422/485, Industrial, Ethernet
<b>16 Ports Series</b>	
SG-2161RIL/ALL	16 Port RJ-45 Port, RS232/422/485, Industrial, Ethernet

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