

SerialGate

serial to Ethernet Device Server

SerialGate는 기존 시리얼 장비들을 Ethernet Network에 연결시켜주는 디바이스 서버이다.

SerialGate 시리즈는 지원하는 시리얼 포트 수를 기준으로 1, 2, 4, 8, 16 포트용으로 구성되어있다.

SerialGate는 POS 관련 장치의 연결 및 공장 내부의 다양한 시리얼 장치의 연결을 지원하며, 웹 브라우저를 통하여 원격지에서 시리얼 장치의 감시/제어/자료수집의 기능을 수행할 수 있다.

따라서 보안/의료장비 제어, 빌딩 자동화, 기계 조종, 공정 감시/제어 등에 효과적으로 적용할 수 있는 디바이스 서버 제품이다.



Features

원격 관리

Portview를 통해 원격으로 SerialGate에 연결된 시리얼 장비의 상태를 실시간 감시하고 관리하는 한편, 입/출력 되는 시리얼 데이터를 확인하고 파일로 저장할 수도 있다.

COM Port Redirection

네트워크로 연결된 SerialGate의 시리얼 포트를 자신 PC의 COM 포트처럼 사용할 수 있다.

다양한 시리얼 인터페이스 지원

RS-232, RS-422, RS-485 Interface를 사용자가 직접 선택하여 사용할 수 있다.

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



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



SG-2040RCL/ALL Model

4 Ports ALL Serial RJ45 Connector interface to LAN Device Server



SG-2040DCL/ALL Model

4 Ports ALL Serial DB9 Connector interface to LAN Device server



SG-2041RIL/ALL Model

4 Ports ALL Serial RJ45 Connector interface to LAN Device Server



SG-2041DIL/ALL Model

4 Ports ALL Serial DB9 Connector interface to LAN Device server



SG-2080RCL/ALL Model

8 Ports ALL Serial RJ45 Connector interface to LAN Device Server



2080DCL/ALL Model

8 Ports ALL Serial DB9 Connector interface to LAN Device server



SG-2081RIL/ALL Model

8 Ports ALL Serial RJ45 Connector interface to LAN Device Server



SG-2081DIL/ALL Model

8 Ports ALL Serial DB9 Connector interface to LAN Device server



SG-2160RCL/ALL Model

16 Ports ALL Serial RJ45 Connector interface to LAN Device Server



SG-2161RIL/ALL Model

16 Ports ALL Serial RJ45 Connector interface to LAN Device Server



Product Specification

Communication (Ethernet)

LAN Port	SG-2011R Series SG-2011D Series SG-2021R Series SG-2021D Series	10/100Mbps RJ-45 Port x 1EA
	SG-2041R Series SG-204xD Series SG-208xR Series SG-208xD Series SG-216xR Series	10/100Mbps RJ-45 Port x 2EA
Network Connection	Static IP, Dynamic IP	

Communication (Serial)

Mode & Number of Ports	SG-2011R Series	1 Port RJ-45 (RS232/RS422/RS485)
	SG-2011D Series	1 Port DB-9 (RS232/RS422/RS485)
	SG-2021R Series	2 Ports RJ-45 (RS232/RS422/RS485)
	SG-2021D Series	2 Ports DB-9 (RS232/RS422/RS485)
	SG-204xR Series	4 Ports RJ-45 (RS232/RS422/RS485)
	SG-204xD Series	4 Ports DB-9 (RS232/RS422/RS485)
	SG-208xR Series	8 Ports RJ-45 (RS232/RS422/RS485)
	SG-208xD Series	8 Ports DB-9 (RS232/RS422/RS485)
	SG-216xR Series	16 Ports RJ-45 (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-	

Specification Sheet of Industrial SerialGate

Hardware (Electrical)

Power Supply	SG-2011 Series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 2W
	SG-2021 Series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 2.8W
	SG-2040 Series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 3.6W
	SG-2041 Series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 3.6W
	SG-2080 Series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 4.5W
	SG-2081 Series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 4.5W
	SG-2160 series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 7.2W
	SG-2161 series	DC 12 ~ 48V Adapter or Terminal Block, 소비전력: 7.2W
u-SD CARD	SG-204x Series SG-208x Series SG-216x Series	u-SD Card Support (Max 32GB)
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℃

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Specifications subject to change without notice

Specification Sheet of Industrial SerialGate

Temperature	Commercial Grade	0 ~ 70℃
Humidity	Max 95% (non-condensing)	

Reset Button

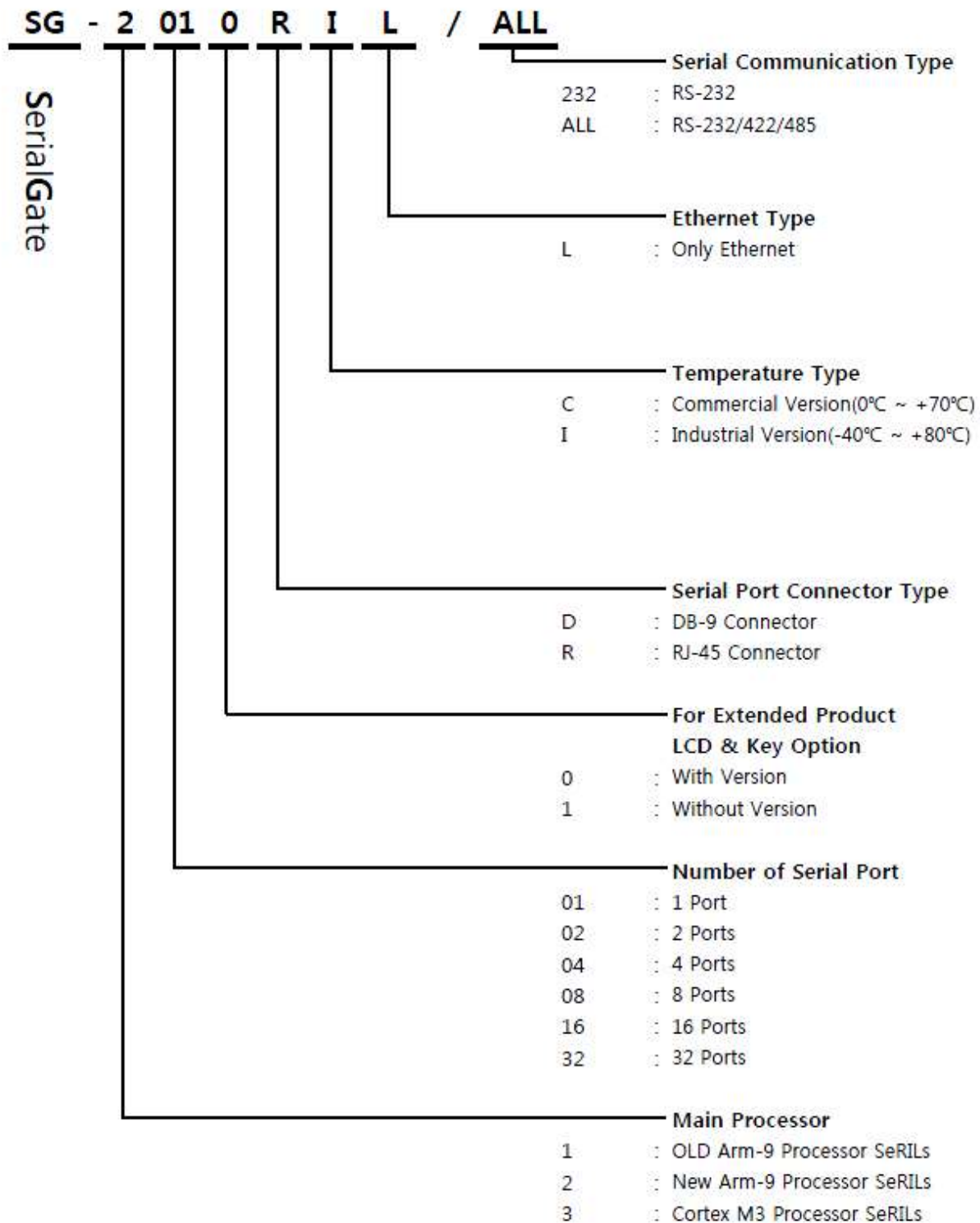
Feature	Action	Result
Warm Booting	3초 미만 누름	SerialGate 재 시작
Factory Default	3초 이상 누름	SerialGate 설정 및 정보의 공장 초기화

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

Specification Sheet of Industrial SerialGate

Ordering Information



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1 Port Series	
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
2 Ports Series	
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
4 Ports Series	
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
8 Ports Series	
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
16 Ports Series	
SG-2161RIL/ALL	16 Port RJ-45 Port, RS232/422/485, Industrial, Ethernet