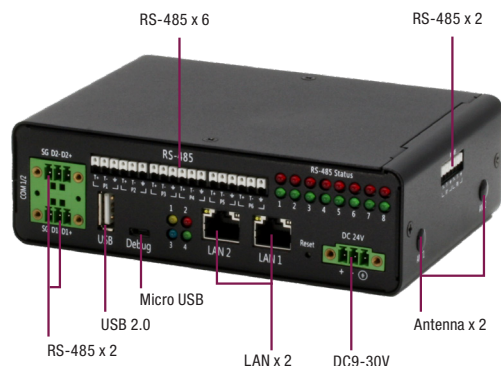


SRG-4858P

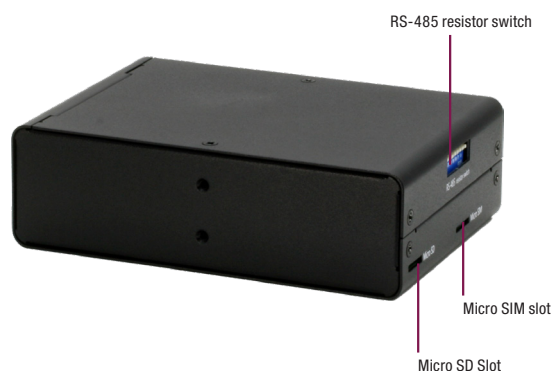
Standard IoT Gateway System With RS-485 x10 ports I/O Function

Front View



COM Port Pinout	PIN	COM1 Definition	COM2
1	—	SG	—
2	—	D2-	—
3	—	D2+	—
4	—	SG	—
5	D1-	—	—
6	D1+	—	—
7	—	—	—
8	—	—	—
9	—	—	—

Rear View



Features

- ARM Cortex-A8 800 MHz RISC Processor
- Onboard DDR3L 1 GB / eMMC 16GB
- Gigabit Ethernet port x 2
- USB2.0 x 1, RS-485 x 10, Programmable LED x 4
- RTC x 1, Micro SD Slot x 1, SIM Slot x 1
- Mini PCIe connector (For RF Module) x 1
- Debug Port x 1
- DC9-30V Power Input
- Pre-Install Linux Debian
- Supports Modbus / MQTT Library (by request)



Specifications

System	
Processor	ARM Cortex-A8 800 MHz RISC Processor
Memory	Onboard DDR3L 1GB
Storage	eMMC 16GB
Real Time Clock	RTC, with 3V CR2032 Lithium battery x 1
Security	—
Indicators	Programmable LED control x 4
Cellular	Mini PCIe Connector x 1 (USB signal)
Wireless Lan	—
Operating System	Debian 10
Support Protocol	Modbus / MQTT Library (by request)
I/O Interfaces	
Serial Port	RS-485 x 10, Phoenix Connector
Ethernet	Gigabit Ethernet x 2, RJ-45
USB	USB 2.0 x 1, Type A
ADC	—
DI/DO	—
CAN Bus	—
Display	—
Power Connector	3 Pin 3.81mm Phoenix Connector
Debug Port	Micro USB x 1
Expansion Slot	Micro SIM slot x1
Other Interface	Micro SD slot x 1
Other Interface	Antenna x2 (Optional)
Power Supply	
Power Requirement	DC9-30V
Power Consumption	6.36 W (Full Loading)
MTBF (Hours)	855590
Environmental and Mechanical	
Dimension	5.67" x 3.94" x 1.73" (144 x 100 x 44mm)
Weight	512 g
Mount Options	Wallmount, Din Rail (Optional)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

Support List of PLC or Controller

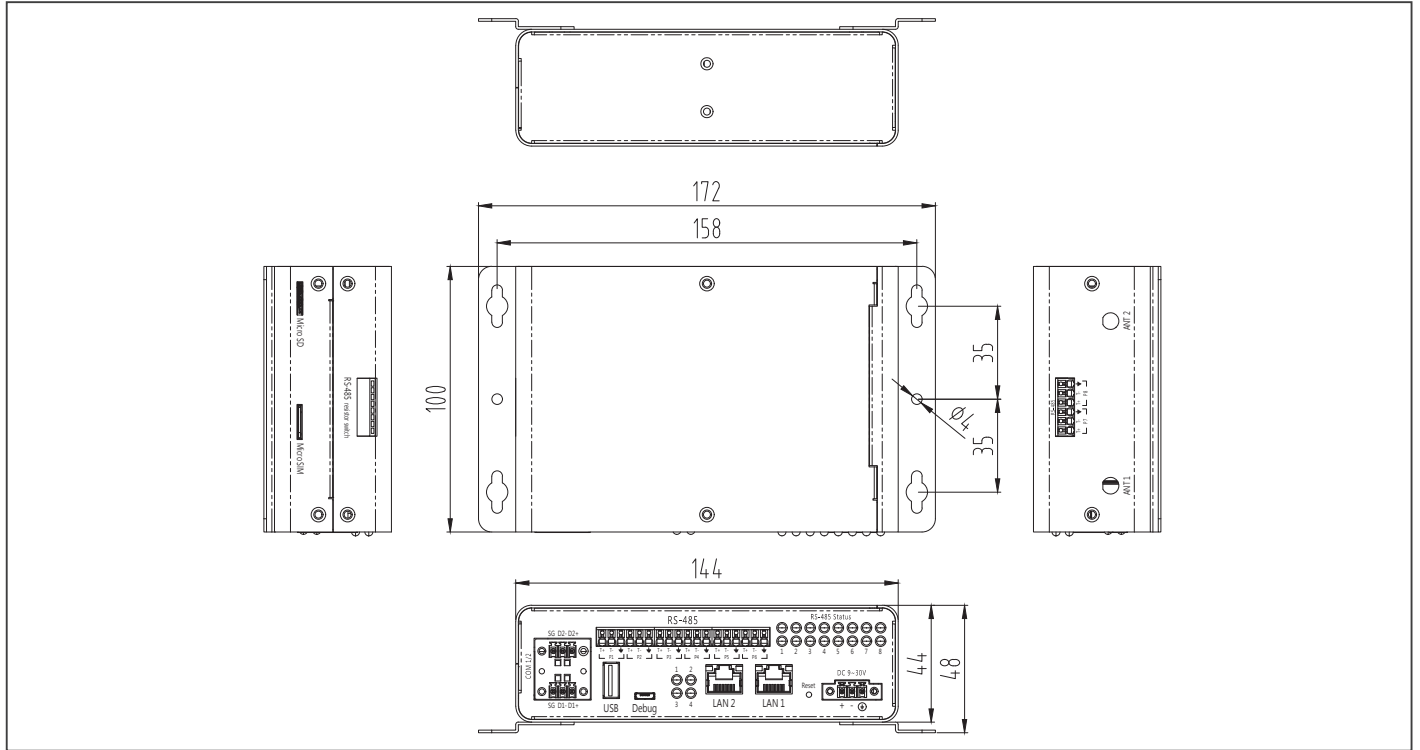
Brand	Model Series
Allen-Bradley	SLC-500 Ethernet
OPCTechs	GE SRTP Ethernet
Koyo	Modbus TCP for H0/H2/H4-E-COM100
Mitsubishi	All PLC
OMRON	CS & CJ Ethernet, CS & CJ Serial, CV Ethernet, CV Serial
Siemens	S7 Ethernet
Yaskawa	CP218TX Ethernet

Optional RF Module

Type	Model Series
3G/4G/LTE	Quectel EG25-G
NB-IoT	Quectel BG96
CAT-M1	Quectel BG96
CAT 1	Quectel EC21 Series
LoRaWAN	RisingHF RHF0M301-868/915
Zigbee	Redpine RS9113

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Thermal	COM	Storage	LAN	USB	Expansion slot	Power	Operation Temp.	Others
SRG-4858P-A10-0001	ARM Cortex-A8 800MHz	Onboard DDR3L 1GB	Fanless	RS-485 x10 (phoenix)	eMMC 16GB, MicroSD x1	GbE x 2	USB 2.0 x 1	Mini PCIe slot x 1, SIM card socket x 1	DC9-30V	0°C ~ 60°C @ 0.5 m/s airflow	3G/4G LTE module (optional)

Packing List

- SRG-4858P

Installation Scenario



DIN-Rail Mount Illustration



Wallmount Illustration

Optional Accessories

- **1255300368**
Power Adapter. AC/DC. 100-240VAC. 12VDC/3A. 36W. AOEM. ADS036T-W120300. (phoenix connector)
- **9741EG25G0**
PCIe mini card. 4G LTE. module kit. Global Band W/SIM holder. W/Cable & antenna. Quectel. EG25-G
- **9751335201**
Din rail kit. 44 x 48.3mm
- **9751335202**
Wallmount kit. 100 x 35mm

Optional Software Accessories

- OPC UA Stack
- EtherCAT Stack
- PROFIBUS Stack
- PROFINET Stack
- EtherNet/IP Stack
- IO-Link Stack
- MQTT
- Modbus