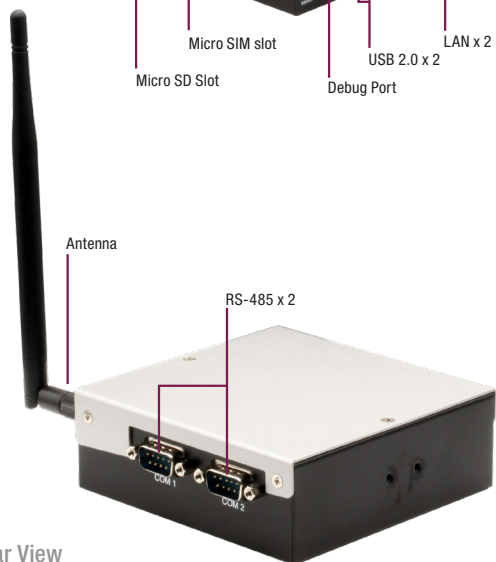
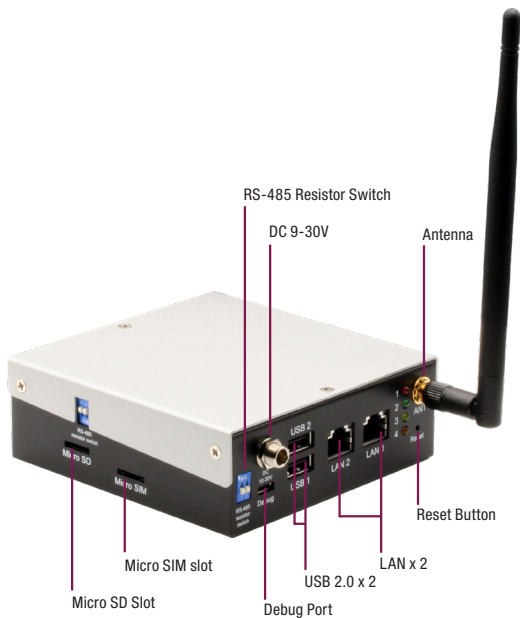


# SRG-3352C

Standard IoT Gateway System With Onboard ARM Cortex-A8 800 MHz RISC Processor

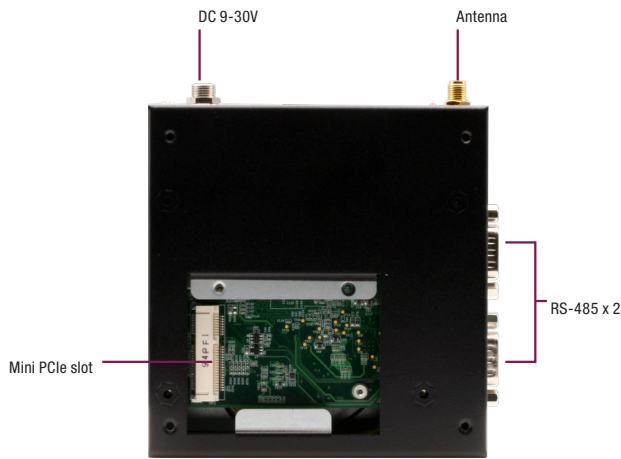
Front View



Rear View

COM Port Pinout	PIN	COM1 Definition	COM2 Definition
1	1	TXD+, A+	TXD+, A+
2	2	TXD-, A-	TXD-, A-
3	3	—	—
4	4	—	—
5	5	GND	GND
6	6	—	—
7	7	—	—
8	8	—	—
9	9	—	—

Bottom View



## Features

- ARM Cortex-A8 800 MHz RISC Processor
- Onboard DDR3L 1 GB / eMMC 8GB
- Gigabit Ethernet port x 2
- USB2.0 x 2, RS-485 x 2, Programmable LED x 4
- RTC x 1, Micro SD Slot x 1, SIM Slot x 1
- Mini PCIe connector(For RF Module) x 1
- NB-IoT connector x 1
- Board to Board connector x 1
- Debug Port x 1
- DC9-30V Power Input
- Onboard WiFi/Bluetooth Module
- 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 8GB
Real Time Clock	RTC, with 3V CR2032 Lithium battery x 1
Security	—
Indicators	Programmable LED control x 4
Cellular	Mini PCIe Connector x 1
Wireless Lan	Onboard WiFi 802.11 b/g/n, Bluetooth4.2 / BLE
Operating System	Debian 10
Support Protocol	Modbus / MQTT Library (by request)
I/O Interfaces	
Serial Port	RS-485, DB9 Connector x 2
Ethernet	Gigabit Ethernet, RJ-45 x 2
USB	USB 2.0, Type A x 2
ADC	—
DI/DO	—
CAN Bus	—
Display	—
Power Connector	Lockable DC Jack
Debug Port	Micro USB x 1
Expansion Slot	SIM card slot x 1 Micro SD slot x 1
Other Interface	—
Power Supply	
Power Requirement	DC9-30V
Power Consumption	3.36 W (Full Loading)
MTBF (Hours)	855590
Environmental and Mechanical	
Dimension	4.3" x 4.33" x 1.54" (109 x 110 x 39 mm)
Weight	430 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

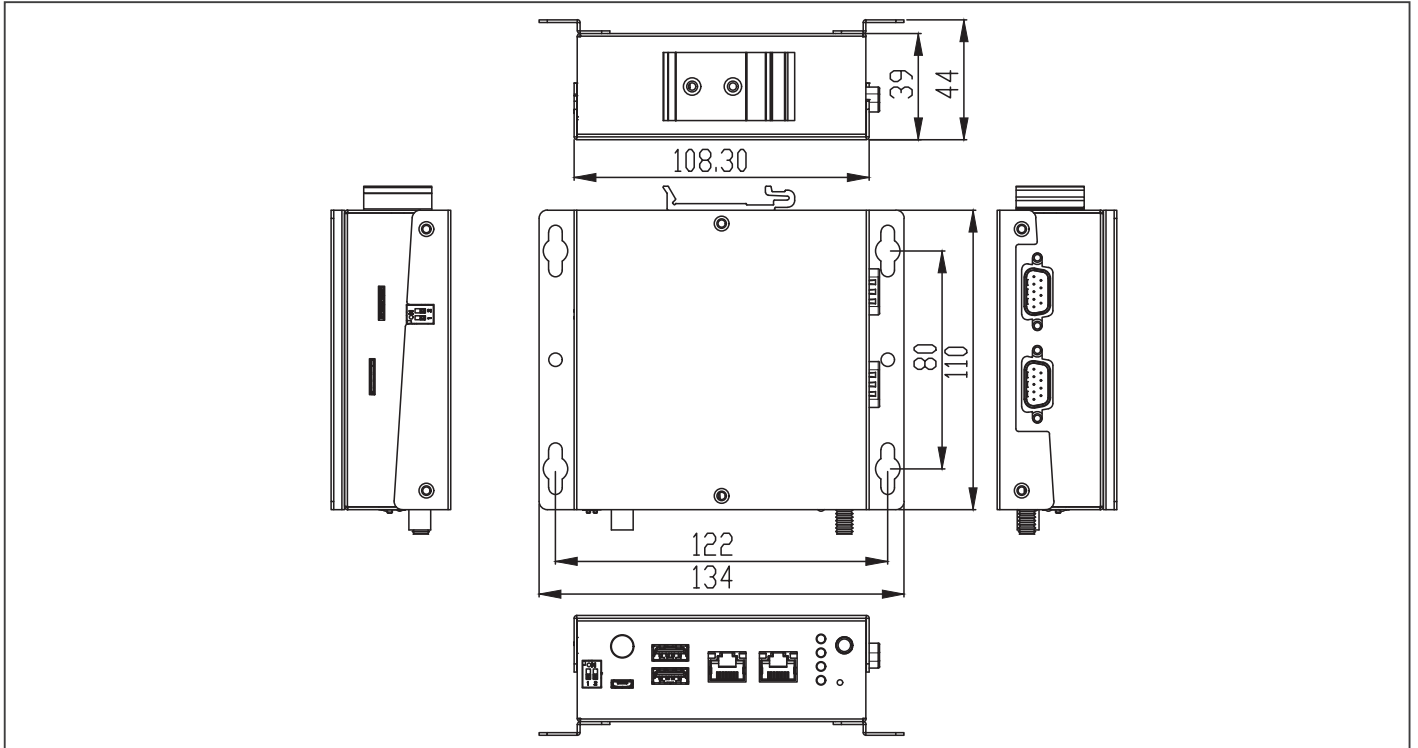
Brand	Model Series
Allen-Bradley	SLC-500 Ethernet
OPCTechs	GE SRTP Ethernet
Koyo	Modbus TCP for H0/H2/H4-ECOM100
Mitsubishi	All PLC
OMRON	CS & CJ Ethernet, CS & CJ Serial, CV Ethernet, CV Serial
Siemens	S7 Ethernet
Yaskawa	CP218TX Ethernet

## 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 RHFOM301-868/915
Zigbee	Redpine RS9113

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Thermal	COM	Storage	LAN	USB	Expansion slot	Power	Operation Temp.	Others
SRG-3352C-A10-A001	ARM Cortex-A8 800MHz	Onboard DDR3L 1GB	Fanless	RS-485 x 2 (DB9)	eMMC 8GB, MicroSD x1	GbE x 2	USB 2.0 x 2	Mini PCIe slot x 1, SIM card socket x 1	DC 9-30V	0°C – 60°C @ 0.5 m/s airflow	3G/4G LTE module (optional)

## Packing List

- SRG-3352C

## Installation Scenario



DIN-Rail Mount Illustration



Wallmount Illustration

## Optional Accessories

- **1255300366**  
Power Adapter. AC/DC. 100-240VAC. 12VDC/3A.36W.
- **9741EG25G0**  
PCIe mimi card. 4G LTE. module kit. Global Band W/SIM holder. W/Cable & antenna. Quectel. EG25-G
- **9651352C02**  
DIN rail kit. 47x25mm. SRG-3352C series
- **9651352C01**  
Wall mount kit. 110x26mm. SRG-3352C series

## Optional Software Accessories

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