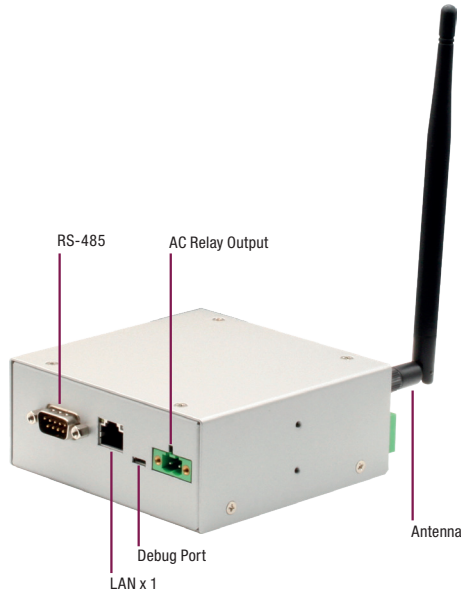
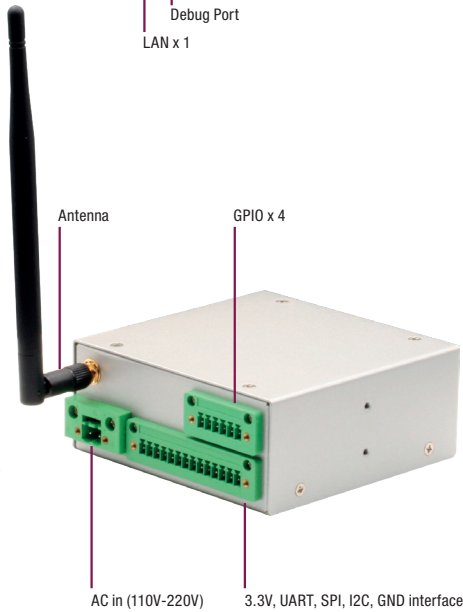


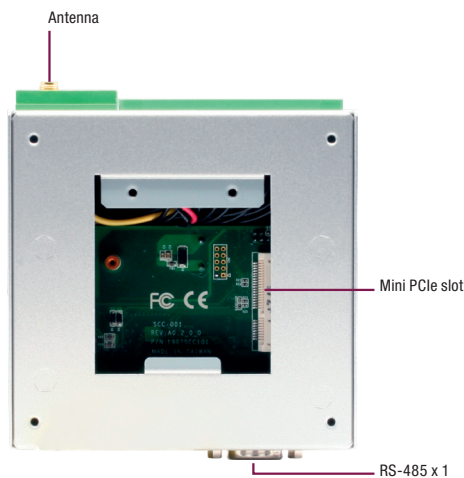
Front View



Rear View



Bottom View



Features

- ARM-Cortex M4 MCU + FPU
- RS-485 x 1
- 10/100 Mb/s Ethernet, RJ-45 x 1 LAN port
- Micro USB x 1
- AC Relay output
- AC in (110V-220V)
- GPIO x 4
- Supports UART, SPI, I2C interface
- Mini PCIe slot x 1

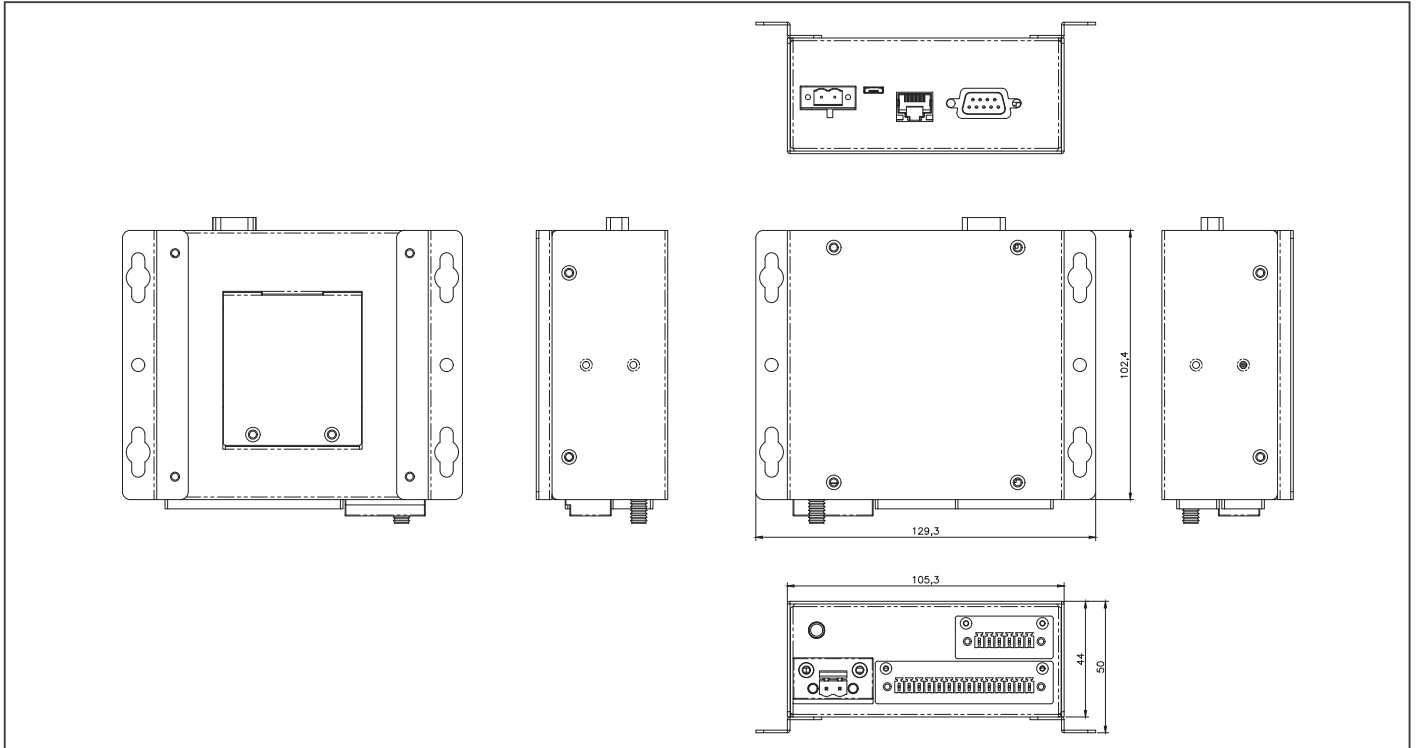


Specifications

System	
Processor	ARM-Cortex M4 MCU + FPU
System Memory	—
RTC	Serial real time clock x 1
Expansion Interface	3G/4G LTE mini PCIe connector
Battery	—
Power Requirement	AC 110-220V
Power Consumption	—
Dimension	59.05" x 49.21" x 17.32"(150 x 125 x 44 mm)
Gross Weight	480 g
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
MTBF (Hours)	1,299,248
Wireless	Supports 4G/ NB-IoT/ Wifi via Mini PCIe slot
I/O	
Storage	—
Serial Port	RS-485 x 1
LAN	10/100 Mb/s Ethernet, RJ-45 x 1
USB	micro USB debug x 1
GPIO	GPIO x 4
Other Interface	UART; I2C; SPI

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Thermal	COM	Storage	LAN	USB	Expansion slot	Power	Operation Temp.	Others
SCA-MSN-A10-A001	ARM-Cortex M4 MCU + FPU	—	Fanless	RS-485 x 1	—	10/100 Mb/s Ethernet x 1	Micro USB x 1	Mini PCIe slot x 1	AC 110-220V	0°C ~ 60°C @ 0.5 m/s airflow	3G/4G LTE module (optional)

Packing List

- SCA-MSN

Installation Scenario



DIN-Rail Mount Illustration

Wall Mount Illustration

Optional Accessories

- **9741EC25E0**
PCIe mini card.4G LTE module kit with cable & Antenna, EC25-E
- **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
- **TBD**
Wall mount kit. 120 x 25mm