

Smart Spot Lite

300-503-AS1



Features

- Communicate with Smart sensors using ISM band radio
- Forward data to the cloud through 3G network
- Dual SIM support with auto switch
- Support firmware upgrade over the air
- LED and buzzer system status indication
- LED sign drive
- Powered by POE
- POE out for other devices
- Remote temperature monitoring and health reporting
- Easy installation (on wall or post)
- Intelligent configuration
- IP67 outdoor design

Applications

- Parking areas where WiFi is not needed

Descriptions

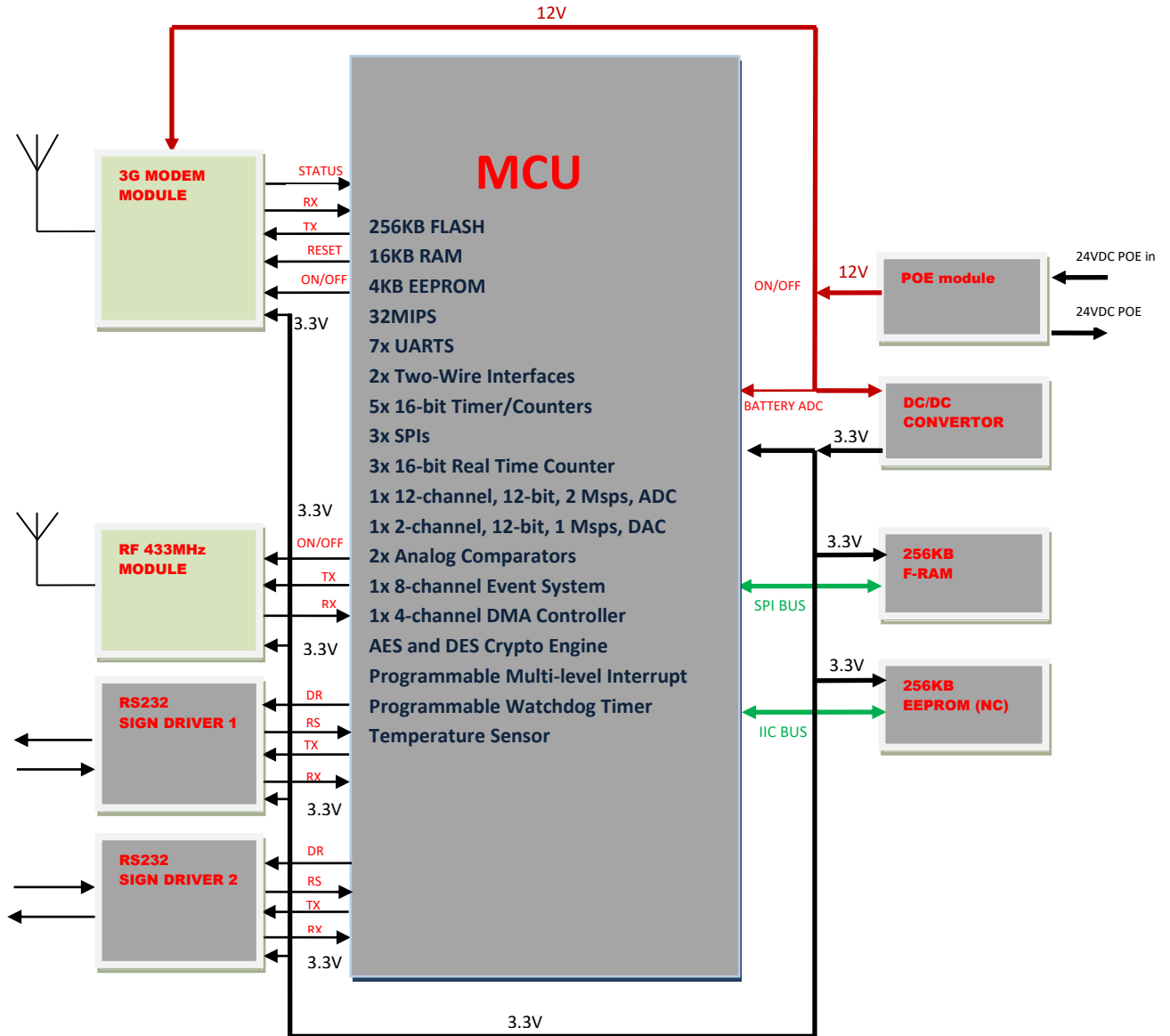
Smart Spot Lite 300-503-AS1 is an element of Smart Zone solution; it works as a gateway between Smart sensors and the cloud.

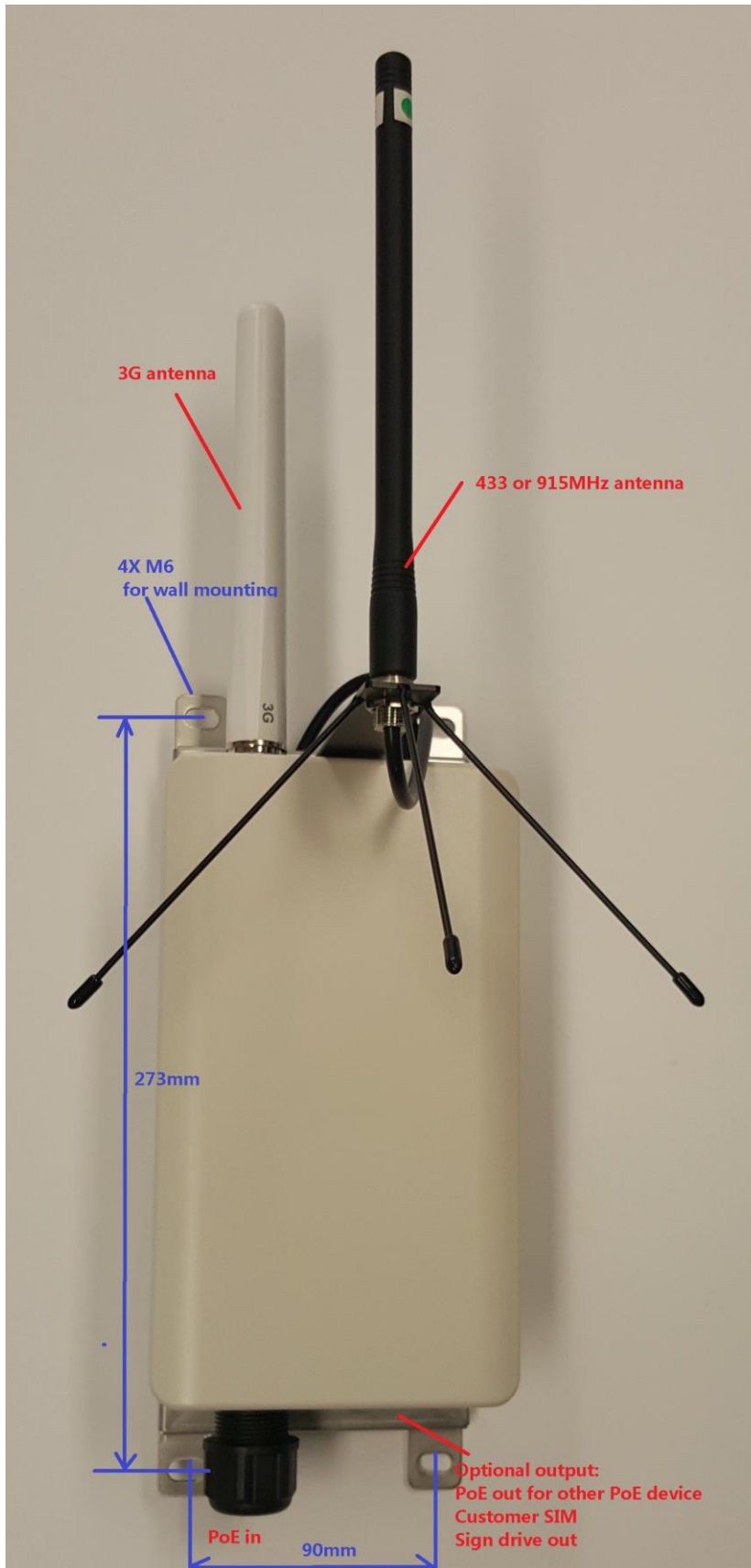
Using license free ISM band (433MHz/915MHz), Smart Spot provides two-way wireless communication with Smart sensors efficiently. At the same time, it sends the sensor data to the cloud and talk to the customer applications through 3G network, so that the customers can get all data from sensors and setup the system in real time. Data can be stored in its non-volatile memory in case of power failure or 3G network is down and send the data back when power and link is recovered.

With smart firmware/software design, Smart Spot Lite can be easily setup and managed on site and remotely. The unique serial number and built in SIM card help user configure it easily.

With excellent industrial design, Smart Spot Lite is very easy to install on a lamp post or wall; the IP67 enclosure lets it work in a harsh environment e.g. on a beach.

Block Diagram





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Electrical Characteristics

- **Two-way communication between Smart Sensors**
 - Rx frequency: 433.92MHz
 - Tx power: +10dBm
 - Rx sensitivity: -110dBm
 - RF Data Rate: 1.2kbps
 - Antenna connector type: SMA 50ohms
 - Range from sensors (approximately): 50m
 - Agency Approvals:
- **3G communication**
 - Quad-band EGSM 850 / 900 / 1800 /1900 MHz
 - GPRS data class 10 (16 - 24 kbps upload / 32 - 48 kbps download)
 - TCP/IP stack: TCP,IP, UDP,SMTP,FTP
 - SMS: point-to-point, text and PUD mode, cell broadcast
 - Firmware update over the air
 - Output power
 - Class 4 (2W) @ 850 / 900 MHz
 - Class 1 (1W) @ 1800 / 1900 MHz
 - Sensitivity:
 - 107 dBm (typ.) @ 850 / 900 MHz
 - 106 dBm (typ.) @ 1800 / 1900 MHz
 - Agency Approvals:

Europe Fully type approved conforming with R&TTE directive

CE, FCC, IC, GCF, PTCRB, Anatel (for Order-No. 3 990 250 659 and 3 990 250 658 only)

- **Power**
 - POE in: + on Pin4 andPin5, - on Pin 7 and Pin 8
 - Voltage rang: 12 to 24VDC
 - Current consumption (depend on the status of add-on modules)
 - 12VDC in: 20 to 100mA
 - 24VDC in: 10 to 60mA

Other Specifications

- **Environment**
 - Operating: Temperature - 15oC to +50oC, Relative Humidity 99%
 - Storage: -20oC to +85oC, Relative Humidity 99%
- **Dimensions**

- Size: 120mm(W) x 80(D)mm x 300mm(H) (not include antennas)
- Weight: 0.9Kg (not include antennas)

- **Colour**
White

- **Protection**
IP67 completely sealed. UV proof

- **Mounting**
Post or wall mounted