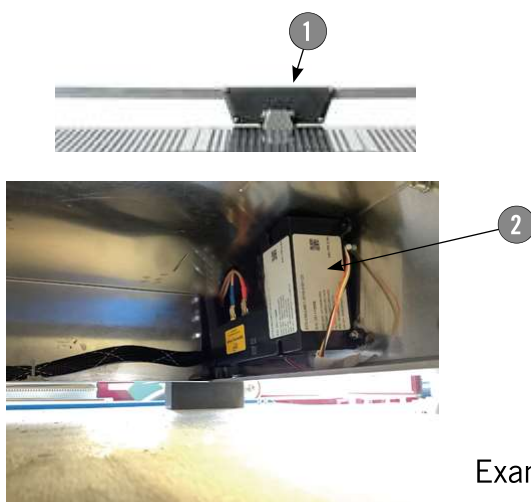


## 1. Overview



Item	Description
1	Antenna Model: 814B_1000R316_SMMRP
2	Wireless Network Device Model: E.8.006.03

Example of the installation

### 1.1 Wireless Network Device (Gateway)

The FCC rules that are applicable to the modular transmitter are 15C (DSS-DTS), 15E (NII), FCC 47 CFR Part 1.1310:2018, FCC 47 CFR Part 15:2019, FCC 47 CFR Part 15C:2019, FCC 47 CFR Part 2:2019, ISSED RSS-247 Issue 2 (2017-02), ISSED RSS-GEN Issue 5 (2018-04) + A1 (2019-03), ISSED Canada: Health Canada Safety Code 6:2015. The Gateway model is E.8.006.03.

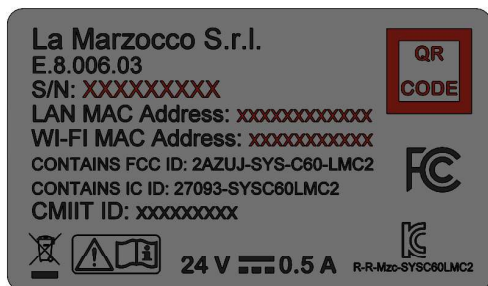
The gateway is equipped with a dedicated radio module that meets FCC and ISSED certification requirements.

A label must appear on the gateway with the following code:

FCC ID: 2AZUJ-SYS-C60-LMC2

IC ID: 27093-SYSC60LMC2

Example host dataplate:



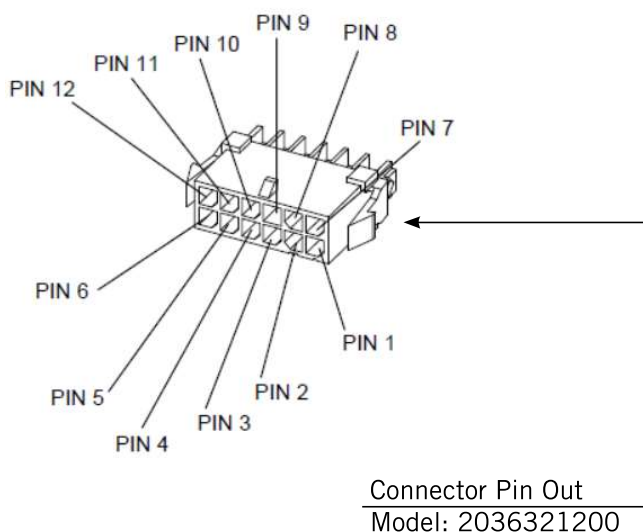
The gateway does not foresee additional tests if the installation is carried out as indicated in this manual.

E.8.006.03 is equipped with the RF modules that are identify in the FCC site as:

1. FCC ID: Z64-WL18DBMOD and IC: 451I-WL18DBMOD

The build status of these modules has not been modified.

## 1.2 Power & Data connection



Power supply and data transmission  
P/N: 2036321200

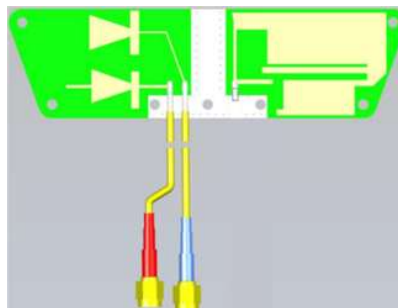
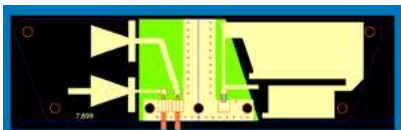
2036321200	Signals
1	+24V Power
2	GND I2C
3	GND I2C
4	SCL I2C
5	SDA I2C
6	INT I2C
7	GND Power
8	12V I2C
9	3,3V I2C
10	GND I2C
11	GND I2C
12	GND I2C

## 1.3 Functional characteristics

- Processors: Cortex A9, 1 [GHz]
- Memory: RAM 512 [MB]
- Networking: Optional 1x FastEthernet (RJ-45 connectors)
- Wireless Connectivity:
  - WiFi dual band (802.11 b / g / n)
  - BT LE 4.2
- Other interfaces:
  - 1x RGB Signalling LED (led green ON)
  - 1x RGB Signalling LED (led blue cloud)
  - 1x link port Input/Output data connector (single interface with optical insulation)
- External Supply Voltage: +24 [VDC]  $\pm$  10% (cable lenght must not exceed one meter);
- External Supply Power: 12 [W]
- Internal battery pack: Optional 2200 [mAh] Li-Ion Rechargeable battery.
- Operating Temperature: 0 °C  $\div$  45 [°C]
- Operating Relative Humidity: 10%  $\div$  90% non-condensing
- Mechanical dimension: 86 x 40 x 162 [mm]

## 1.4 Antenna

The antenna model is 814B\_1000R316\_SMMRP.



Antenna Connector	Gateway Connector	Function
Antenna with Red cable	“R” Connector Type SMA	Vertical polarized for WiFi/BT connectivity
Antenna with Blue cable	“B” Connector Type SMA	Horizontal polarized for WiFi/BT connectivity

**Warning:** This equipment should be installed and operated with a minimum distance of 20 centimeters between the antenna and human body.

## 1.5 Mechanical fixing



Fixing  
self locking hexagon nut M3  
PEM M3  
Power supply Cable  
Antenna connections

## 1.6 RF exposure consideration

The calculation of exposure for this product was found to be compliant at 20 cm with EN 62311, FCC CFR 47 Pt.1.1310 and Health Canada safety Code 6, assuming continuous exposure of 6 minutes or more. If alternative antennas are used with greater gains, the distance must be recalculated.

La Marzocco srl has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

### • Radio Interference

This device complies with Part 15 of the FCC Rules and Industry Canada RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### FCC Class A digital device notice

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.