

# Quick Reference Guide

## ZigBee Gateway

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# FCC and IC statements

## ***FCC (Federal Communications Commission) statements***

This device comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

***Important note:*** To maintain compliance with FCC 's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. Use only the supplied antenna.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antennas or transmitters.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

***Note:*** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The concerned end product must be labeled to say 'FCC ID: Y7V-683081066C1'.

The concerned end product must be labeled to say 'FCC ID: Y7V-GW683081066'.

## **IC (Industry Canada) statements**

This device comply with Industry Canada licence-exempt RSS standard CAN ICES-3 (B)/NMB-3(B) B. 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.

Le présent appareil est conform aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**Important note:** To comply with Industry Canada RF radiation exposure limits for general population, the antennas used for these transmitters must be installed such that a minimum separation distance of 20 cm is maintained between the radiator (antenna) and all persons at all times and must not be co-located or operating in conjunction with any other antenna or transmitter.

Under Industry Canada regulations, these radio transmitters may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitters by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

These radio transmitters IC9514A-683081066C1 and IC9514A-683081066 have been approved by Industry Canada to operate with the antenna type listed below with the indicated maximum permissible gain and required antenna impedance. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

<b>Name/Model</b>	<b>Gain</b>	<b>Impedance</b>
Inverted F-antenna	3.0 dBi	50 ohm

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

Le terme "IC" devant le numéro de certification signifie seulement que les spécifications techniques Industrie Canada ont été respectées.

## Gateway dimensions

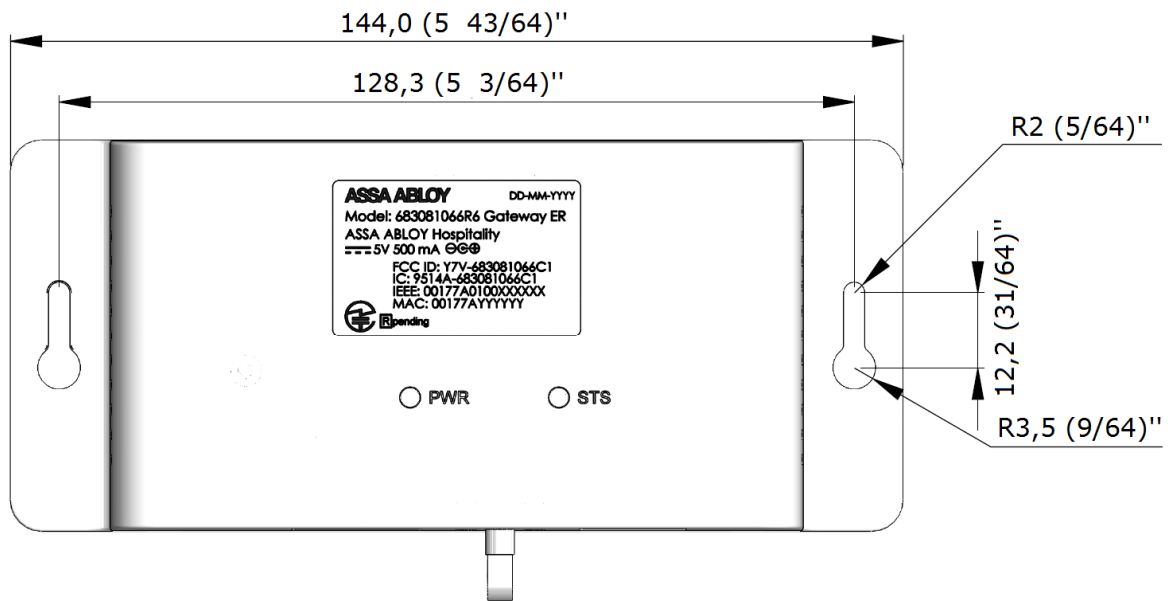


Figure 1

## Quick reference of technical data

**Note:** For more information about the gateway (e.g. about web interface, reset, boot-up, commissioning the gateway in a ZigBee system etc), see *User manual Online option*.

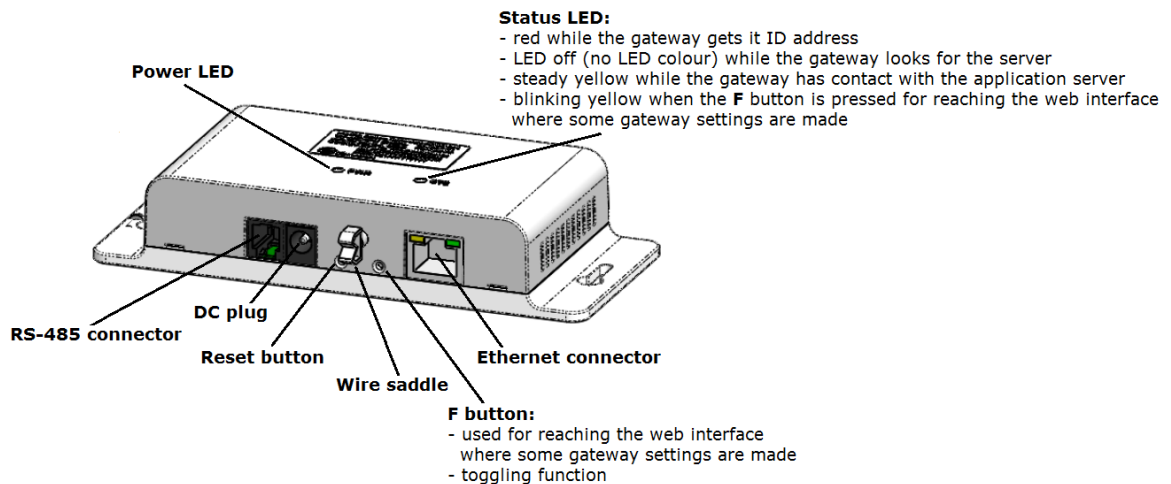


Figure 2

- Automatic adjustment to 10 or 100 Mbit/s networks
- Powered via Ethernet or by a power adapter (5VDC)  
**Note:** The gateway is of PoE class 1; power range 0.44-3.84W.
- Low power consumption
- The total number of gateways is virtually unlimited
- Can have either five routers or 15 endnodes connected
- Case with the dimensions 63,0 mm x 144,0 mm x 27,5 mm  
(2 31/64" x 5 43/64" x 1 3/32")
- Easy mounting (can be mounted either with adhesive VELCRO<sup>®</sup> strips or fastening screws; a package with two VELCRO<sup>®</sup> strips and two fastenings screws are enclosed)
- Weight: 116 g
- Flame retardant ABS
- UL94 V-0 approved
- Colour: RAL 7047
- Suitable for operation in the range 5-50° C and 10-90% non-condensed relative humidity

## To mount a gateway

Preferred way of mounting the gateway is horizontally:

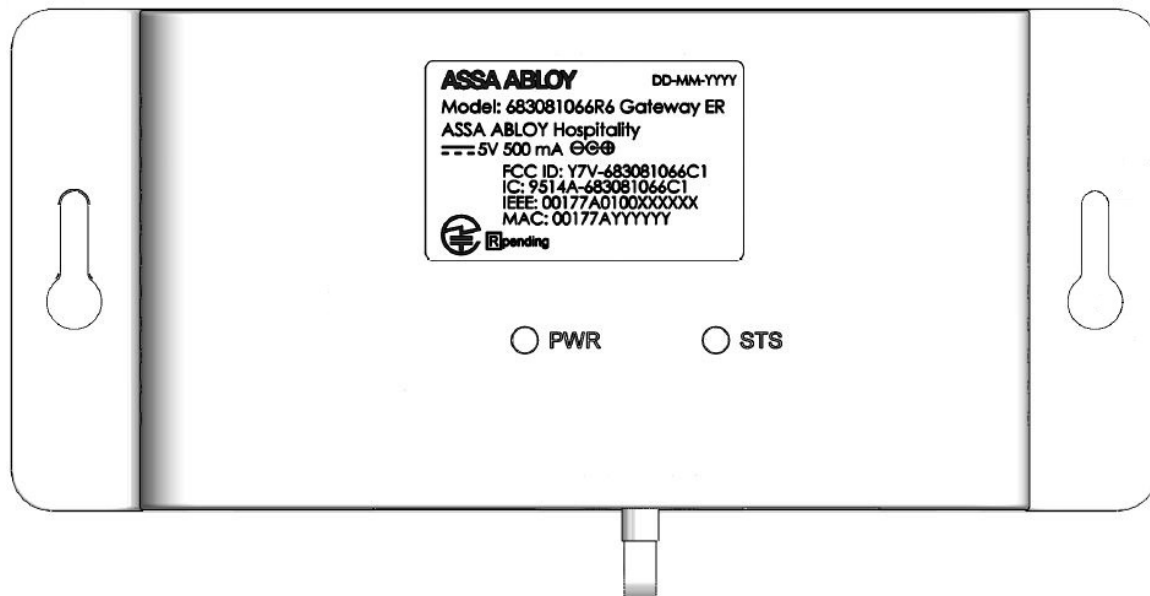


Figure 3



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