

# **Quick Reference Guide**

## **DRAFT**

# **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.

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(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.

Le présent appareil est conforme 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, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter 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.

This radio transmitter IC9514A-GW683081066 has 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 | 3.5 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

Dimensions in mm (inches)

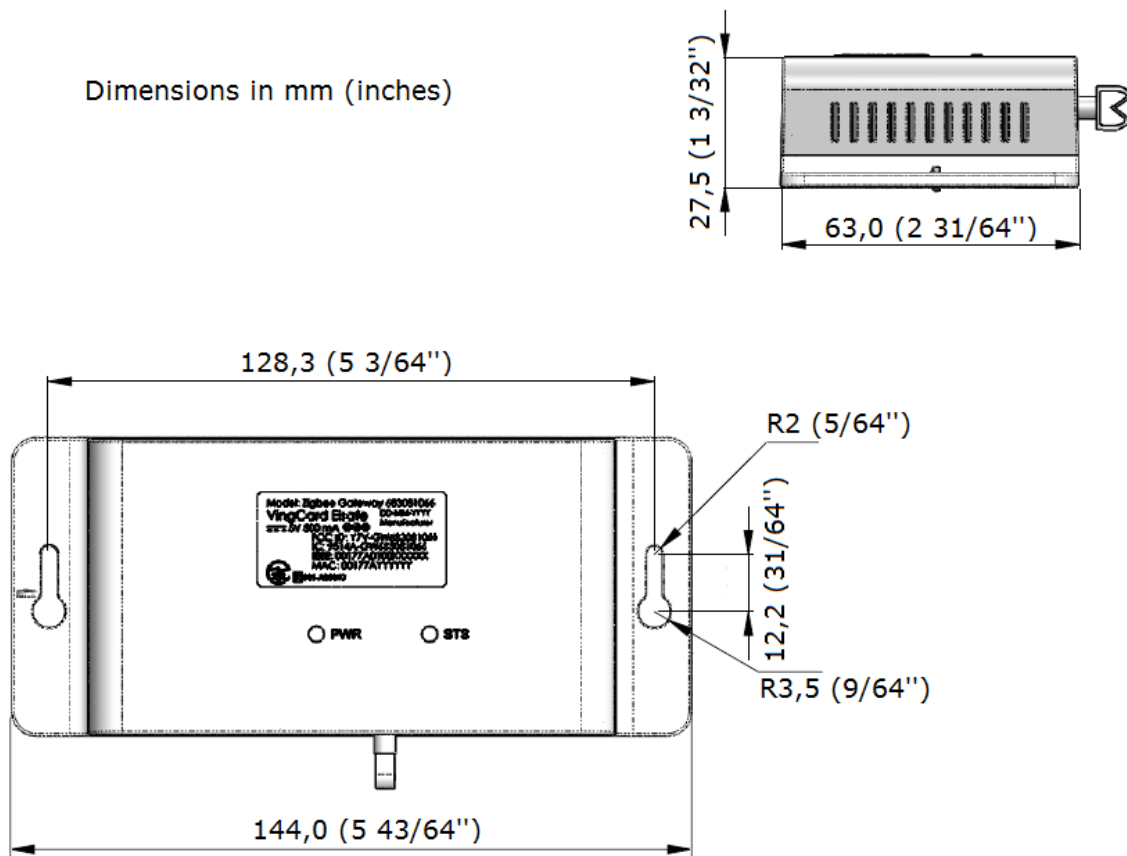


Figure 1

## 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*.

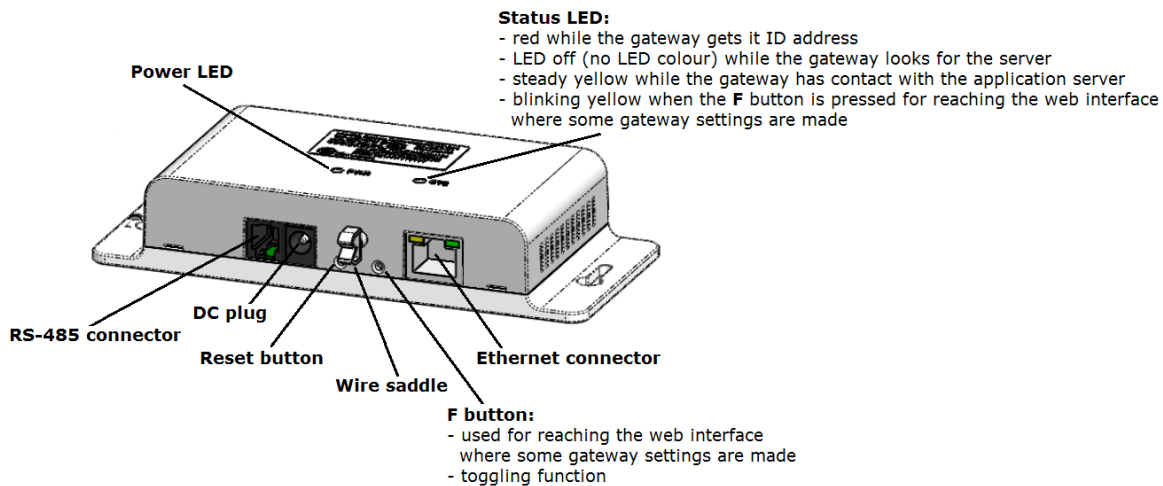
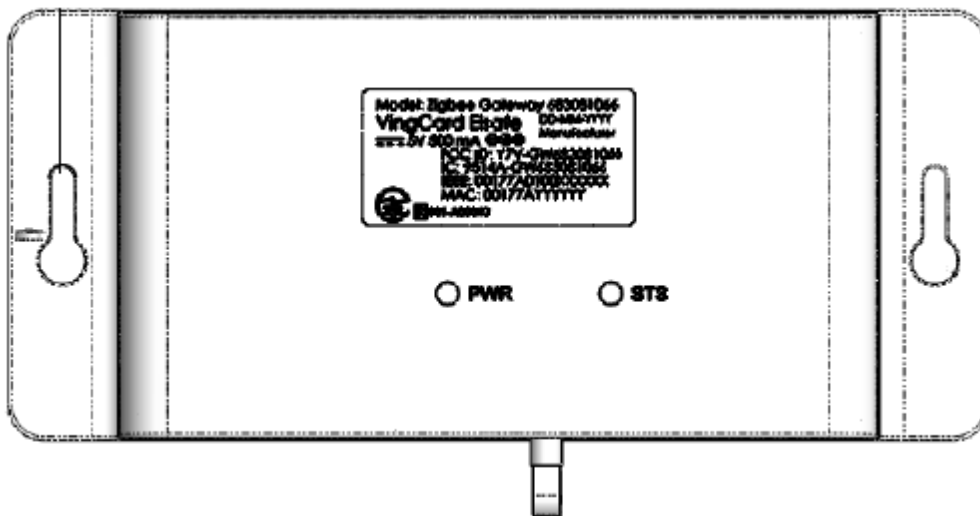


Figure 2

- 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® strips or fastening screws; a package with two VELCRO® 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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