

**DRAFT**

## **Quick Reference Guide**

# **Zigbee Module PCBA 1731**

# Copyrights

*The information in this document is subject to change at the sole discretion of ASSA ABLOY without notice.*

*Any use, operation or repair in contravention of this document is at your own risk. ASSA ABLOY does not assume any responsibility for incidental or consequential damages arising from the use of this manual.*

*All information and drawings in this document are the property of ASSA ABLOY. Unauthorized use and reproduction is prohibited.*

November 2023

# FCC and ISED (IC) statements

## ***FCC statements***

This device complies 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.

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

**Note:** This device complies with FCC rule CFR 47, Part 15, Subpart C, paragraph 15.247, operating within the band 2400-2483.5 MHz, Digital transmission systems. Test performed in accordance with ANCI C63.4-2014 and ANSI C63.10-2013.

The final host product manufactured by ASSA ABLOY Global Solutions Norway AS and not covered by the modular transmitter grant of certification, with a PCBA 1731 installed, may also need to pass the FCC rule CFR 47, Part 15, Subpart B, unintentional emission testing requirements.

### ***Exposure statement:***

This portable device with its antenna complies with FCC RF exposure limits for general population/uncontrolled exposure. The antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter. 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.

### ***Labels:***

The Zigbee module, model PCBA 1731, must be labeled to say **FCC ID: Y7V-PCBA1731C1**.  
The concerned end product must be labeled to say **Contains FCC ID: Y7V-PCBA1731C1**.

## **ISED (IC) statements**

This device complies 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.

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.

The radio transmitter **IC: 9514A-PCBA1731C1** 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 | 2.0 dBi     | 50 ohm           |

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

The Zigbee module, model PCBA 1731, must be labeled to say **IC: 9514A-PCBA1731C1**.

The concerned end product must be labeled to say **Contains IC: 9514A-PCBA1731C1**.

## **Déclarations d'ISED (IC)**

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.

Conformément aux réglementations d'Industrie Canada, cet émetteur radio peut uniquement fonctionner à l'aide d'une antenne dont le type et le gain maximal (ou minimal) pour cet émetteur est approuvé par Industrie Canada. Pour réduire le risque d'interférence éventuelle pour les autres utilisateurs, le type et le gain de l'antenne doivent être choisis de manière à ce que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne soit pas supérieure à la puissance nécessaire à une bonne communication.

L'émetteur radio **IC: 9514A-PCBA1731C1** a été approuvé par Industrie Canada pour une utilisation avec les types d'antenne indiqués ci-dessous avec le gain maximum autorisé indiqué et l'impédance d'antenne requise. Il est strictement interdit d'utiliser avec cet appareil un type d'antenne ne figurant pas dans cette liste ou ayant un gain supérieur au gain maximum indiqué pour ce type.

| <b>Appellation/Modèle</b> | <b>Gain</b> | <b>Impédance</b> |
|---------------------------|-------------|------------------|
| Antenne F inversée        | 2.0 dBi     | 50 ohm           |

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

Le Zigbee module Modèle PCBA 1731 doit porter une étiquette avec la mention: **IC: 9514A-PCBA1731C1**.

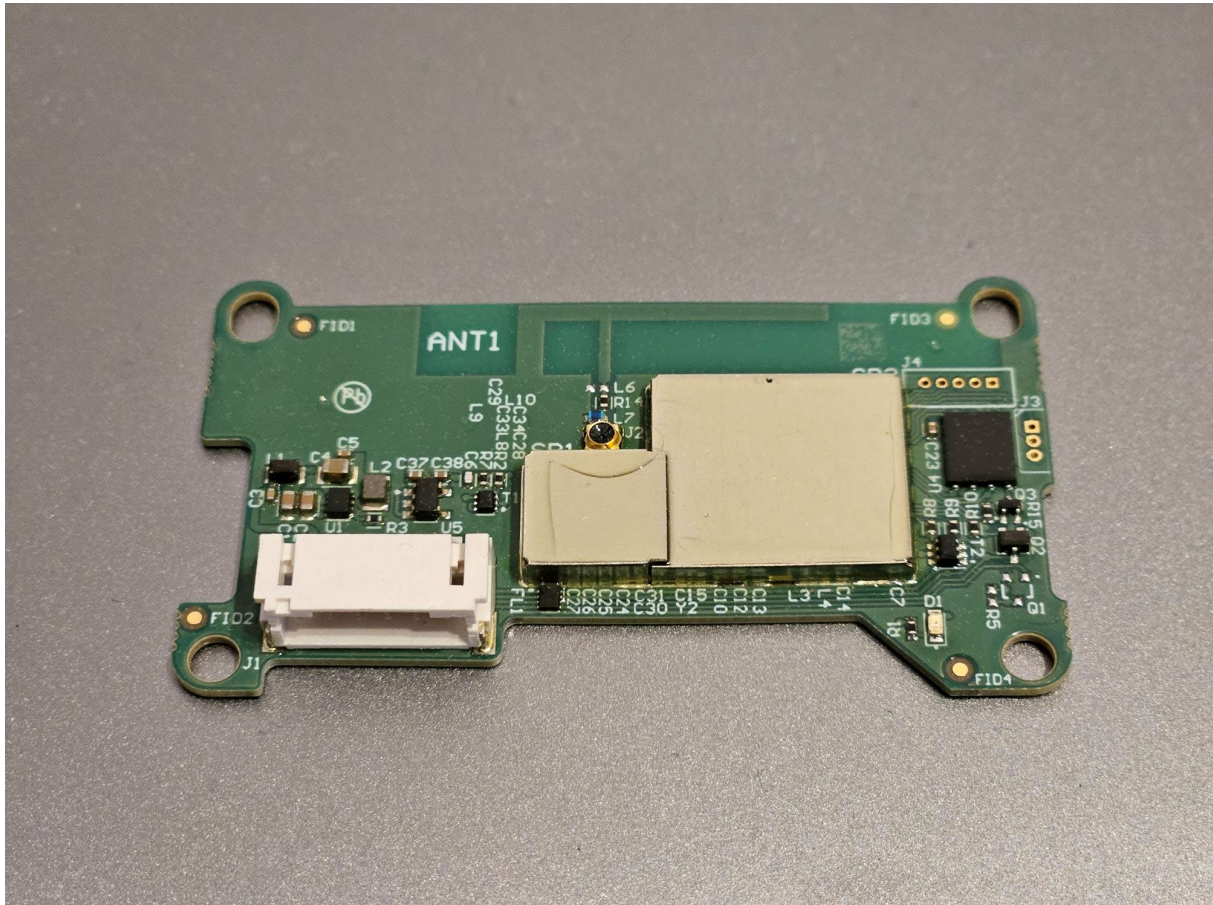
Le produit final concerné doit porter une étiquette avec la mention: **Contient IC: 9514A- PCBA1731C1**.

# Overview

This document is a quick reference guide for the Zigbee module manufactured by ASSA ABLOY Global Solutions, model *PCBA 1731*.

The electronic module consists of a PCB and its components.

- **Mass:** 7.2 g
- **Dimensions (W x D x H):** 61.8 x 35.5 x 6.5 mm.



- To be operating, *PCBA 1731* must be mounted on an ASSA ABLOY Global Solutions electronic lock that works as a host system. The six-pin connector allows data communication with the lock and provides power supply from the lock. Several types of ASSA ABLOY Global Solutions electronic locks are compatible with the module.
- **Power supply:** 4.5VDC battery pack located inside the lock
- The main purpose of *PCBA 1731* is to establish a wireless communication with a Zigbee network to exchange data e.g. in the hospitality industry.
- The exchange of information is via radio by an integral 2.4GHz PCB antenna, using Zigbee protocol to either a router or a gateway; both router and gateway can be a third-party equipment. The *PCBA 1731* is compatible with a cloud-based service.

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

**ASSA ABLOY**  
Global Solutions

ASSA ABLOY Global Solutions APAC  
[apac.globalsolutions@assaabloy.com](mailto:apac.globalsolutions@assaabloy.com)  
Phone: +852 23162200

ASSA ABLOY Global Solutions EMEA  
[emea.globalsolutions@assaabloy.com](mailto:emea.globalsolutions@assaabloy.com)  
Phone: +47 69 24 50 00

ASSA ABLOY Global Solutions North America  
[nam.globalsolutions@assaabloy.com](mailto:nam.globalsolutions@assaabloy.com)  
Phone: +1 972 907 2273

ASSA ABLOY Global Solutions Latin America  
[lac.globalsolutions@assaabloy.com](mailto:lac.globalsolutions@assaabloy.com)  
Phone: +52 55 36 40 12 00

[assaabloyglobalsolutions.com](http://assaabloyglobalsolutions.com)