



User Manual

1 Identification

This user manual refers to wlan module SX-PCEAN2 with the following certification information:

FCC ID	YG3-SXPCEAN2
IC-Nr	4720B-SXPCEAN2
HVIN (<i>Hardware Version Identification Number</i>)	SX-PCEAN2
FVIN (<i>Firmware Version Identification Number</i>)	1.0.3.0.2
PMN (<i>Product Marketing Name</i>)	SX-PCEAN2

2 Statement

Since this module is not sold to general end users directly, there is no user manual that describes functionality of the module without its implementation into a host system.

For the details regarding the stand-alone module, please refer to the specification sheet.

This module should be installed in the host device according to the interface specification (installation procedure).

3 Certified Antennas

Only the following certified antennas may be used with the module:

Antenna	Manufacturer	Frequency band [GHz]	Gain [dBi]
RAD-ISM-2400-ANT-VAN-3-0-RSMA ²	Phoenix Contact	2.4	3
RAD-ISM-2400-ANT-OMNI-2-1-RSMA ²	Phoenix Contact	2.4	2.1
RAD-ISM-2400-ANT-OMNI-6-0 ²	Phoenix Contact	2.4	6
ANT-OMNI-5900-01 ²	Phoenix Contact	5	5
2JZ0102 (omnidirectional radiator) ²	2J antennae	2.4	2
		5	2
2JZ0102 (directional radiator) ²	2J antennae	2.4	5
		5	5
H2B1PC1A1C	Unictron Technologies Corporation	2.4	1.8
		5	3.9
ANT-OMNI-2459-02 ²	Phoenix Contact	2.4	2.5
		5	5
ANT-DIR-2459-01 ^{1,2}	Phoenix Contact	2.4	9
		5	9

(1) Note:

Use of antenna ANT-DIR-2459-01 is only allowed in single chain operation on antenna chain 0!

(2) Note:

All marked antennas must be used on non-DFS channels only!

4 Information for implementation

4.1 Information on the host device

The following information must be indicated on the host device of this module

4.1.1 For FCC

Contains Transmitter Module FCC ID: YG3-SXPCEAN2

or

Contains FCC ID: YG3-SXPCEAN2

4.1.2 For IC

Contains Transmitter Module IC: 4720B-SXPCEAN2

or

Contains IC: 4720B-SXPCEAN2

4.1.3 For FCC and IC

The following statements must be described in the user manual of the host device of this module

***This device complies with Part 15 of FCC Rules and Industry Canada's licence-exempt RSSs. 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 à la partie 15 des règles de la FCC et aux normes des 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'appareil doit accepter tout brouillage subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.***

If it is difficult to describe this statement on the host product due to the size, please describe in the user manual.

4.2 Information in the user manual

4.2.1 For FCC

FCC CAUTION

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

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

4.2.2 For IC

5150-5250MHz and 5250-5350MHz bands are restricted to indoor operations only.

La bandes 5150-5250MHz et 5250-5350MHz ont restreints à une utilisation à l'intérieur seulement.

High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Les radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz, et ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

4.2.3 For FCC and IC

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.