

# PF-SDMGN Users Manual

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# 1. Hardware specifications/Compliance

FCC ID:N6C-PFSDMGN

IC No:4908B-PFSDMGN

## **NOTICE**

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.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Part 15 of FCC Rules and 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 this device.

Le présent appareil est conforme aux la partie 15 des règles de la FCC et 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.

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

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 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 (excluding extremities: hands, wrists, feet and ankles).

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 dans le Supplément C à OET65 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 dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

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.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. 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.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Antenna information: Omni-directional      Gain 1.5dBi

**FCC WARNING :**

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

**Manual and Product Labeling information To The End User**

The end user manual shall include all required regulatory information/warning as show in this manual.

And when this module is installed in the host product, you must include a "Contain FCC ID : N6C-PFSDMGN"

and a "Contain IC: 4908B-PFSDMGN" in the label of the host product.

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Operating environment	:	Temperature:-20°C to +85°C, -4F to +185F Humidity:20% to 85%
Storage environment	:	Temperature:-40° C to +90° C, -40F to +194F Humidity:20% to 85%
supply voltage	:	3.3V ± 5%
Host I/F	:	SDIO V2.0
IEEE802.11b	:	Frequency : 2412MHz~2462MHz Transmission system : DS-SS Transmission speed: 1M/2M/5.5M/11M Automatic detection Channel:1-11ch
IEEE802.11g	:	Frequency : 2412MHz~2462MHz Transmission system:OFDM Transmission speed :6M/12M/18M/36M/48M/54M Automatic detection Channel:1-11ch
IEEE802.11n(HT20)	:	Frequency : 2412MHz~2462MHz Transmission system:OFDM Transmission speed :MCS0~MCS7 Automatic detection Channel:1-11ch

5bhYbbU' ] bhYfZUW

8]j Yf.g] hmi VtbbYVhcf

## 2. System Requirements (for the install)

- A Personal computer or the embedded architecture that have SDIO V2.0
- 32 MB memory or greater (Recommend)
- 300 MHz processor or higher (Recommend)

## 3. Setup

(One of the methods)

It uses Driver and a utility of Atheros Communications. (Atheros client utility)

It completes installation according to setup Wizard