

# For Users of This Product

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Thank you for purchasing the extended wireless LAN board.

This document describes precautions about the use of the extended wireless LAN board. Before using it, read this carefully to use it properly. Also, keep this document safe.

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## Be sure to read this before using wireless LAN

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This product uses 2.4 GHz/5 GHz frequency range for communication. Communications using radio waves may be hampered by noise or interference. If you want to create a communication system using this product, pay attention to communication failures.

### ★ Important

- It is prohibited by law to disassemble and modify this product. If illegal modifications are added to this product for its use, we shall not assume any responsibility.
- We shall not assume any responsibility for pure economic losses such as damages incurred due to communication failures arising from failures, malfunction, or defects of this product, or usage environments, communication failures, power outages, and other external factors.
- No measures to prevent or block data tampering are available for devices that use radio waves for communications. We shall not assume any responsibility if security problems arise due to wireless LAN specifications or other conditions.

### ↓ Note

- The usable frequency range of this product may be used by products (industrial, scientific, or medical devices) of other companies. Also, outdoor use of wireless devices may be restricted. Pay attention to where you use this product.
- To export this product, conform to the Foreign Exchange and Foreign Trade Act, the Export Administration Regulations, and other related laws and regulations, and conduct the necessary proceedings specified by them.
- This product's SSID is not configured for options. If you want to use SSID, configure the SSID setting yourself.
- Depending on the environment where you use this product, communications might be interrupted due to radio wave characteristics.
- This product cannot be used with Bluetooth options.
- Depending on the main unit, IEEE 1284 options may not be used simultaneously.
- Usable frequencies vary depending on the access point you use.
- Depending on the environment where you use this product or the access point you select, restrictions may be imposed on the use of some usable channels. If wireless LAN communications are not possible, check the environment or access point.

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To service representatives (for service installation only):

Give this document to the user when the installation of this product is complete.

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## **Note to users in the United States of America**

### **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 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.

### **Warning:**

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

### **Caution:**

It is strictly forbidden to use antenna except designated. This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

This equipment should be installed and operated with at least 20cm more between the radiator and person's body(excluding extremities: hands, wrists, feet and ankles).

The model 5.15-5.25GHz band is restricted to indoor operations only.

### **Declaration of Conformity**

Product Name: Option(s) for Radiocommunications

Model Number: R-CMN-851

Responsible party: Ricoh Americas Corporation

Address: 5 Dedrick Place, West Caldwell, NJ 07006

Telephone number: 973-882-2000

This device complies with part 15 of 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.

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## Note to users in Canada

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

This device complies 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.

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 device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit.

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

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets 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).

## Remarque concernant les utilisateurs au Canada

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

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 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.

les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e..

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

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles 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).

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