

■ ■ **Lenovo regulatory notice for wireless adapters**

This manual contains regulatory information for the following Lenovo products:

- Lenovo B40-30/N40-30
- Lenovo B40-70/N40-70
- Lenovo B40-45/N40-45
- Lenovo B50-30
- Lenovo B50-30 Touch
- Lenovo B50-70/N50-70
- Lenovo B50-45/N50-45
- Lenovo B40-80
- Lenovo B50-80
- Lenovo E4030
- Lenovo E4070
- Lenovo E4080
- Lenovo Y40-70
- Lenovo Y40-80
- Lenovo Y50-70
- Lenovo Y50-80
- Lenovo Y50-70 Touch
- Lenovo Y50-80 Touch

The following wireless modules are supported on Lenovo B40-30/N40-30/B40-70/N40-70/B50-30/B50-30 Touch/B50-70/N50-70/B40-80/B50-80/E4030/E4070/E4080/Y40-70/Y40-80/Y50-70/Y50-80/Y50-70 Touch/Y50-80 Touch:

- 3160NGW
- BCM943142Y
- QCNFA335
- RTL8723BE
- 7260NGW
- BCM94352Z

The following wireless modules are supported on Lenovo B40-45/N40-45/B50-45/N50-45:

- BCM943142Y
- QCNFA335
- RTL8723BE

■ **Read first — regulatory information**

Please read this document before you use the Lenovo computer. Lenovo computer complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. You must install and use your computer in strict accordance with the instructions as described hereafter.

Veuillez lire ce document avant d'utiliser l'ordinateur Lenovo. L'ordinateur Lenovo est conforme aux normes de sécurité et de radiofréquence du pays ou de la région où son utilisation sans fil est agréée. Vous devez installer et utiliser votre ordinateur en respectant scrupuleusement les instructions décrites ci-après.

■ **USA — Federal Communications Commission (FCC)**

I. Factory preinstalled Wireless LAN module

- FCC ID: PD93160NGU (Model: 3160NGW)
- FCC ID: QDS-BRCM1079 (Model: BCM943142Y)
- FCC ID: PPD-QCNFA335 (Model: QCNFA335)
- FCC ID: TX2-RTL8723BE (Model: RTL8723BE)

- FCCID:PD97260NGW(Model7260NGW)
- FCC ID: QDS-BRCM1076 (Model:BCM94352Z)

Wireless LAN Mini PCI Express Cards marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

i) The FCC RF Exposure compliance:

The radiated output power of the Wireless LAN Mini PCI Express Card authorized to use for the your Lenovo computer is far below the FCC radio frequency exposure limits. Nevertheless, it shall be used in such a manner that the potential for human contact during normal operation is minimized as follows:

Caution: To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm (8 inches) must be maintained between the antennas connected to the wireless module and all persons. If the distance may not be maintained while the computer display is closed, you must set sleep as the power mode when closing the display.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

ii) FCC ID of wireless module:

On the bottom side of your Lenovo computer, you will find an indicator label of the format “Contains Transmitter Module: FCC ID XXXX”, where XXXX represents the FCC ID that corresponds to your preinstalled Wireless LAN module.

iii) Radio Frequency interference requirement:

Each device has been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B. Refer to “Electronic emission notices” on page 5.

II. Simultaneous use of RF transmitters

Make sure of the following conditions on use of wireless features:

1. When you use any other RF option device, all wireless features in your Lenovo computer are required to be turned off.
2. Users must follow the RF Safety instructions on wireless option devices that are included in the RF option device's user's manual.

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

■ Canada — Industry Canada (IC)

IC Certification number

I) Factory preinstalled Wireless LAN modules:

- IC: 1000M-3160NG(Model: 3160NGW)
- IC: 4324A-BRCM1079 (Model: BCM943142Y)
- IC: 4104A-QCNFA335(Model: QCNFA335)
- IC: 6317A-RTL8723BE (Model: RTL8723BENF)
- IC: 1000M-7260NG(Model: 7260NGW)
- IC: 4324A-BRCM1076 (Model:BCM94352Z)

Wireless LAN Mini PCI Express Cards marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

There is no certification number of Industry Canada for Mini PCI Express Card shown on the enclosure of your Lenovo computer. Instead you will find an indicator label pointing to the location of the IC Certification number on the bottom side of your Lenovo computer. This label will be of the format “Contains Transmitter Module: Canada IC: XXXX”, where XXXX represents the IC ID that corresponds to your preinstalled WLAN module.

II) Low power license-exempt radiocommunication devices (RSS-210):

Operation is subject to the following two conditions:

3. This device may not cause interference, and
4. this device must accept any interference, including interference that may cause undesired operation of the device.

The transmitter devices have been designed to operate with the antennas integrated in Lenovo computer, and having a maximum gain of within 3 dBi.

III) Exposure of humans to RF fields (RSS-102):

Lenovo computers employ low gain integral antennas that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site at www.hc-sc.gc.ca/rpb

The radiated energy from the antennas connected to the wireless adapters conforms to the IC limit of the RF exposure requirement regarding IC RSS-102, Issue 2 clause 4.2.

Numéro d'homologation IC

I) Modules de réseaux local sans fil pré-installé à l'usine:

- IC: 1000M-3160NG(Model: 3160NGW)
- IC: 4324A-BRCM1079 (Model: BCM943142Y)
- IC: 4104A-QCNFA335(Model: QCNFA335)
- IC: 6317A-RTL8723BE (Model: RTL8723BENF)
- IC: 1000M-7260NG(Model: 7260NGW)
- IC: 4324A-BRCM1076 (Model:BCM94352Z)

Les cartes de réseau local sans fil Express mini-PCI commercialisées aux Etats-Unis et au Canada ne prennent pas en charge les canaux étendus (12ch, 13ch) et ne fonctionnent donc pas sur de tels canaux.

Le boîtier de votre ordinateur Lenovo ne comporte pas de numéro d'homologation IC (Industry Canada) pour la carte mini-PCI Express ; mais sous votre Lenovo, vous trouverez une étiquette indicatrice pointant vers l'emplacement du numéro d'homologation IC. L'étiquette se présente sous la forme "Contains Transmitter Module: Canada IC: XXXX" où XXXX représente l'ID IC qui correspond au module WLAN préinstallé.

II) Remarque relative aux appareils de communication radio de faible puissance sans licence (CNR-210):

Le fonctionnement de ce type d'appareil est soumis aux deux conditions suivantes:

5. Cet appareil ne doit pas perturber les communications radio, et
6. cet appareil doit supporter toute perturbation, y compris les perturbations qui pourraient provoquer son dysfonctionnement.

Les périphériques d'émission sont conçus pour fonctionner avec des antennes intégrées aux Lenovo et ayant un gain maximal de moins de 3 dBi.

III) Exposition des êtres humains aux champs radioélectriques (RF) (CNR-102):

L'ordinateur Lenovo utilise des antennes intégrales à faible gain qui n'émettent pas un champ électromagnétique supérieur aux normes imposées par le Ministère de la santé canadien pour la population. Consultez le Safety Code 6 sur le site Web du Ministère de la santé canadien à l'adresse "www.hc-sc.gc.ca/rpb".

L'énergie émise par les antennes reliées aux adaptateurs sans fil respecte la limite d'exposition aux radiofréquences telle que définie par Industrie Canada dans la clause 4.2 du document CNR-102.

■ Electronic emission notices

Federal Communications Commission (FCC) Statement

Note: The wireless LAN modules (3160NGW, BCM943142Y, QCNFA335, RTL8723BE, 7260NGW and BCM94352Z) underwent certification process for the FCC Part 15 Subpart B compliance under each respective FCC ID.

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 an authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

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.

Responsible Party:

Lenovo (United States) Incorporated
1009 Think Place - Building One
Morrisville, NC 27560
Telephone: 1-919-294-5900



Industry Canada Class B Emission Compliance Statement

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

Avis de conformité à la réglementation d'Industrie Canada

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

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios. The County Code Selection feature is disabled for products marketed in the US/ Canada.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées. La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux états-Unis et au Canada.

Trademarks

Lenovo and the Lenovo logo are trademarks of Lenovo in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.