Lenovo 100w Gen 3/300w Gen 3/500w Gen 3 Regulatory Notice

Read this first

Read this document before using your computer. This computer complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Install and use your computer according to the following instructions.

The latest *Regulatory Notice* manual is available on the Lenovo Web site. To download the manual, go to https://support.lenovo.com and then follow the on-screen instructions.

Lisez ce document avant d'utiliser votre ordinateur. Cette ordinateur est conforme aux normes de fréquence radio et de sécurité du pays ou de la région où son utilisation sans fil est autorisée. Installez et utilisez votre ordinateur en vous conformant aux instructions ci-dessous.

La dernière version du manuel *Regulatory Notice* est disponible sur le site Web de Lenovo. Pour télécharger le document, rendez-vous sur https://support.lenovo.com et suivez les instructions à l'écran.

First Edition (May 2021)

© Copyright Lenovo 2021.

LIMITED AND RESTRICTED RIGHTS NOTICE: If data or software is delivered pursuant to a General Services Administration “GSA” contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.

Contents

About this manual iii

Chapter 1. Regulatory information for users in USA and Canada 1

USA - Federal Communications Commission (FCC) 1
- FCC RF exposure compliance 1
- Emergency Calls 2
- Simultaneous use of RF transmitters 2
- Radio Frequency interference requirements . . . 2

Canada — Industry Canada (IC) 2
- IC certification number 2
- Low power license-exempt radio communication devices (RSS-247) 3
- Exposure of humans to RF fields (RSS-102) . . . 3

Canada - Industrie Canada (IC) 3
- Numéro de certification IC 3
- Permis d'émission à faible puissance - Cas des appareils de radio-communication (CNR-247) 4
- Conformité des appareils de radiocommunication aux limites d'exposition humaine aux radiofréquences (CNR-102) 4

Electromagnetic emission notices. 5

Usage environment and your health 5

Precautions against electrostatic discharges (ESD) in inserting or removing the nano-SIM card 5

Chapter 2. Trademarks 7

© Copyright Lenovo 2021

About this manual

This manual contains regulatory information for Lenovo 100w Gen 3, Lenovo 300w Gen 3, and Lenovo 500w Gen 3. Lenovo 100w Gen 3, Lenovo 300w Gen 3, and Lenovo 500w Gen 3 support the following wireless modules:

Product name	**RTL8822CE**	**AX201NGW**	**AX200NGW**	**L850–GL**
Lenovo 100w Gen 3	X		X	
Lenovo 300w Gen 3	X		X	X
Lenovo 500w Gen 3		X		

© Copyright Lenovo 2021

Chapter 1. Regulatory information for users in USA and Canada

USA - Federal Communications Commission (FCC)

This computer contains the following wireless devices and underwent the certification process of FCC CFR 47 Part 2 section 1093, Part 15 Subpart C, and Subpart E, Part 27, Part 22 Subpart H, Part 24 Subpart E, and Part 90 under each respective FCC ID below.

- FCC ID: TX2-RTL8822CE
  - Wireless LAN module with Bluetooth function (model: RTL8822CE)
- FCC ID: PD9AX200NG
  - Wireless LAN module with Bluetooth function (model: AX200NGW)
- FCC ID: PD9AX201NG
  - Wireless LAN module with Bluetooth function (model: AX201NGW)
- FCC ID: PU5-LN300WG3
  - Lenovo 300w Gen 3 with Wireless LAN module with Bluetooth function (model: AX200NGW)
- FCC ID: TX2-RTL8852AE
  - Lenovo 300w Gen 3 with Wireless LAN module with Bluetooth function (model: RTL8852AE)
- FCC ID: PU5-LN300WG3L
  - Lenovo 300w Gen 3 with wireless WAN module L850-GL
- FCC ID: PU5-LN300WG3D
  - Lenovo 300w Gen 3 with Wireless LAN module with Bluetooth function (model: AX200NGW) and wireless WAN module L850-GL
- FCC ID: RAS-MT7921
  - Lenovo 300w Gen 3 with Wireless LAN module with Bluetooth function (model: MT7921)

You can find the FCC certification information through one of the following methods:

- On a physical label attached to the outside of your computer shipping carton
- Through an electronic-label screen (E-label screen) preinstalled on your computer

To access the E-label screen, do one of the following:

- Restart the computer. When the logo screen is displayed, press F9. The E-label screen is displayed.
- Restart the computer. When the logo screen is displayed, press Enter or tap the prompt to enter the Startup Interrupt menu. Then press F9 or tap the Regulatory Information option. The E-label screen is displayed.

The wireless modules in your computer are preinstalled by Lenovo, and you are prohibited to replace with other wireless adapter nor remove it. If the device requires replacement due to some problem during warranty, it must be serviced by a Lenovo authorized servicer.

FCC RF exposure compliance

The radiated output power of your computer is below the FCC radio frequency exposure limits. Nevertheless, it should be used in such a manner that the potential for human contact is minimized during normal operation of your computer.

CAUTION:

© Copyright Lenovo 2021

The total radiated energy from the antennas connected to the installed wireless modules conforms to the FCC limit of the SAR (Specific Absorption Rate) requirement, regarding 47 CFR Part 2 Section 1093, when the computer was tested in either conventional notebook or tablet computer orientations.

To know the location of transmission antennas for the Wireless LAN/Bluetooth combo module and the wireless WAN module, see “Locate the UltraConnect™ wireless antennas” in the *User Guide*.

Emergency Calls

The wireless WAN module does not support voice calls, hence their use for essential communication is not possible, including emergency calls regarding the E911 rule.

Simultaneous use of RF transmitters

Your computer is approved for simultaneous use of the integrated wireless modules.

Make sure of the following conditions when you use any other external wireless option device:

- When you use any other RF option device, you are requested to confirm that the device conforms to the RF Safety requirement and is approved to use for your computer.
- You must follow the RF Safety instructions of wireless option devices that are included in the user manual of the RF option device.
- If wireless options are prohibited to use in conjunction with another transmitters, you must turn off all other wireless features in your computer.

Radio Frequency interference requirements

When you use a wireless LAN module in the 802.11a/n/ac/ax transmission mode, note that high power radars are allocated as primary users of the 5250 to 5350 MHz and 5650 to 5850 MHz bands. These radar stations can cause interference with and/or damage this device.

Canada — Industry Canada (IC)

IC certification number

Your computer contains the following wireless devices and the IC certification number is as below.

- IC: 4182A-LN300WG3
  - Lenovo 300w Gen 3 with wireless LAN module with Bluetooth function (model: AX200NGW)
- IC: 6317A-RTL8822CE
  - Wireless LAN module with Bluetooth function (model: RTL8822CE)
- IC: 1000M-AX200NG
  - Wireless LAN module with Bluetooth function (model: AX200NGW)
- IC: 1000M-AX201NG
  - Wireless LAN module with Bluetooth function (model: AX201NGW)
- IC: 6317A-RTL8852AE
  - Wireless LAN module with Bluetooth function (model: RTL8852AE)
- IC: 7542A-MT7921
  - Wireless LAN module with Bluetooth function (model: MT7921)

You can find the IC certification information through one of the following methods:

- On a physical label attached to the outside of your computer shipping carton
- Through an electronic-label screen (E-label screen) preinstalled on your computer

To access the E-label screen, do one of the following:

- Restart the computer. When the logo screen is displayed, press F9. The E-label screen is displayed.
- Restart the computer. When the logo screen is displayed, press Enter or tap the prompt to enter the Startup Interrupt menu. Then press F9 or tap the Regulatory Information option. The E-label screen is displayed.

The preinstalled wireless LAN/Bluetooth combo module also has been tested and found to comply with the limits regarding IC RSS-247, Low-power Licence-exempt Radio communication Devices.

The wireless LAN/Bluetooth combo module and the wireless WAN module are preinstalled by Lenovo, and are not removable by you. You are prohibited to replace it with any other wireless features. If the wireless LAN/Bluetooth combo module or the wireless WAN module requires replacement during warranty, it must be serviced by a Lenovo authorized servicer.

Low power license-exempt radio communication devices (RSS-247)

Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.

When you use a wireless LAN/Bluetooth combo module in the 802.11a/n/ac/ax transmission mode, note that the devices for the band 5150–5250 MHz are only for indoor usage to reduce potential for harmful interference to co-channel Mobile Satellite systems.

Exposure of humans to RF fields (RSS-102)

The computer employs 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: http://www.hc-sc.gc.ca/

The radiated energy from the antennas connected to the wireless modules conforms to the Canada Portable RF exposure limit regarding IC RSS-102 Issue 5, Section 4 set forth for an uncontrolled environment, and are safe for intended operation in the conventional setting. Further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Canada - Industrie Canada (IC)

Numéro de certification IC

Votre ordinateur contient les périphériques sans fil suivants et le numéro de certification IC indiqué ci-dessous.

- IC: 4182A-LN300WG3
  - Lenovo 300w Gen 3 avec carte combinée sans fil LAN/Bluetooth (modèle : AX200NGW)
- IC: 6317A-RTL8822CE
  - Carte combinée sans fil LAN/Bluetooth (modèle : RTL8822CE)
- IC: 1000M-AX200NG
  - Carte combinée sans fil LAN/Bluetooth (modèle : AX200NGW)
- IC: 1000M-AX201NG

– Carte combinée sans fil LAN/Bluetooth (modèle : AX201NGW)

Vous trouverez les informations relatives aux numéros de certification IC via l'une des méthodes suivantes:

- Sur une étiquette physique apposée à l'extérieur du carton d'emballage de l'ordinateur
- Via un écran d'étiquette électronique (écran de l'E-label) préinstallé sur votre ordinateur

Pour accéder à l'écran de l'E-label, procédez comme suit:

- Redémarrez l'ordinateur. Lorsque l'écran d'accueil du logiciel s'affiche, appuyez sur la touche F9. L'écran de l'E-label s'affiche.
- Redémarrez l'ordinateur. Lorsque le logo s'affiche, appuyez sur Entrée ou touchez l'invite pour entrer dans le menu Startup Interrupt. Appuyez sur F9 ou touchez l'option Informations réglementaires. L'écran de l'E-label s'affiche.

Le module combiné réseau local sans fil/Bluetooth préinstallé a été testé et déclaré conforme aux limites des appareils de radio-communication basse tension IC CNR-247 sans licence d'utilisation.

Le module combiné réseau local sans fil/Bluetooth et le module réseau local sans fil sont préinstallés par Lenovo et ne peuvent pas être retirés par l'utilisateur. Vous ne devez pas la remplacer par une autre fonction sans fil. Si le module combiné réseau local sans fil/Bluetooth ou le module réseau local sans fil doit être remplacé pendant la période de garantie, l'opération doit être effectuée par un prestataire de services agréé par Lenovo.

Permis d'émission à faible puissance - Cas des appareils de radio-communication (CNR-247)

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

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

Lorsque vous utilisez un module de réseau local sans fil/Bluetooth dans le mode de transmission 802.11a/n/ac/ax, les appareils destinés à la bande 5150–5250 MHz devront être exclusivement utilisés en intérieur afin de réduire les risques de perturbations électromagnétiques gênantes sur les systèmes de satellite mobile dans un même canal.

Conformité des appareils de radiocommunication aux limites d'exposition humaine aux radiofréquences (CNR-102)

Les ordinateur utilisent des antennes intégrales à faible gain qui n'émettent pas un champ électromagnétique supérieur aux normes imposées par Santé Canada pour la population. Consultez le Code de sécurité 6 sur le site Web de Santé Canada à l'adresse:
http://www.hc-sc.gc.ca/

L'énergie émise par les antennes reliées aux modules sans fil respecte la limite d'exposition aux radiofréquences émises par les appareils portables au Canada telle que définie par Industrie Canada dans la section 4 du document CNR-102, version 5 pour un environnement non contrôlé et permet d'affecter sans danger le produit à l'usage auquel il est destiné. La réduction de l'exposition aux radiofréquences est possible si le produit peut être conservé aussi loin que possible du corps de l'utilisateur ou en définissant une puissance de sortie plus faible si une telle fonction est disponible.

Electromagnetic emission notices

Refer to *Generic Safety and Compliance Notices* for information regarding the FCC compliance statement and other compliance statements.

Usage environment and your health

The wireless device installed in the computer operates within the guidelines identified by radio frequency (RF) safety standards and recommendations; therefore, Lenovo believes this product is safe for use by consumers. These standards and recommendations reflect the consensus of the worldwide scientific community, and result from deliberations of panels and committees of scientists, who continually review and interpret the extensive research literature.

In some situations or environments, the use of wireless devices might be restricted by the proprietor of a building or responsible representatives of an organization. For example, these situations and areas might include the following:

- On board of airplanes, in hospitals or near petrol stations, blasting areas (with electro-explosive devices), medical implants or body-worn electronic medical devices, such as pace makers.
- In any other environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies to the use of wireless devices in a specific area (such as an airport or hospital), you are encouraged to ask for authorization to use a wireless device prior to turning on the computer.

Precautions against electrostatic discharges (ESD) in inserting or removing the nano-SIM card

Do not touch the nano-SIM card connectors. As a precaution, always make sure that your computer is in your hand before you insert or remove the nano-SIM card.

Chapter 2. Trademarks

LENOVO, LENOVO logo, THINKPAD and THINKPAD logo are trademarks of Lenovo. All other trademarks are the property of their respective owners. © 2020 Lenovo.

Part Number: XXXXXXXXXX

Printed in

(1P) P/N: XXXXXXXXXX