



# Regulatory Notices for Wireless Modules

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## Chapter 1. Identifying the wireless modules

This document provides regulatory information about the wireless modules used in a number of Lenovo®, ThinkCentre®, ThinkEdge®, and ThinkStation® brand computers.

To identify the wireless modules used in your computer, refer to the following tables:

### Lenovo computers

| Lenovo computer            | Wireless modules                        |
|----------------------------|---|
| Lenovo EPC300              | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE  |
| Lenovo V130-20IGM AIO      | 3165NGW, RTL8821CE                      |
| Lenovo V30a 22IIL          | 9560NGW R, RTL8822CE                    |
| Lenovo V30a 24IIL          | 9560NGW R, RTL8822CE                    |
| Lenovo V30a 22ITL          | 9560NGW R, RTL8822CE                    |
| Lenovo V30a 24ITL          | 9560NGW R, AX201NGW, RTL8852AE          |
| Lenovo V30a-22IML          | 9560NGW R, RTL8822CE                    |
| Lenovo V30a-24IML          | 9560NGW/9560NGW R, RTL8822CE            |
| Lenovo V35s-07ADA          | RTL8822CE, QCNFA435                     |
| Lenovo V330-15IGM Desktop  | 3165NGW, RTL8821CE                      |
| Lenovo V330-20ICB AIO      | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE  |
| Lenovo V50a-22IMB          | 3165NGW, 9260NGW, RTL8822CE             |
| Lenovo V50a-24IMB          | 3165NGW, 9260NGW, RTL8822CE             |
| Lenovo V50s-07IMB          | 3165NGW, 9260NGW, RTL8822CE             |
| Lenovo V50t-13IMB          | 3165NGW, 9260NGW, RTL8822CE             |
| Lenovo V50t Gen 2-13IOB    | 9260NGW, AX200NGW, RTL8822CE, RTL8852AE |
| Lenovo V530-15ARR Desktop  | QCNFA435, RTL8821CE                     |
| Lenovo V530-15ICB Desktop  | 3165NGW, RTL8821CE                      |
| Lenovo V530-15ICR          | 3165NGW, RTL8821CE                      |
| Lenovo V530-22ICB AIO      | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE  |
| Lenovo V530-24ICB AIO      | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE  |
| Lenovo V530S-07ICB Desktop | 3165NGW, RTL8821CE                      |
| Lenovo V530S-07ICR         | 3165NGW, RTL8821CE                      |
| Lenovo V540-24IWL AIO      | 9560NGW, RTL8822BE                      |
| Lenovo V55t-15API          | QCNFA435, RTL8821CE                     |
| Lenovo V55t-15ARE          | QCNFA344A, RTL8822CE                    |
| Lenovo V55t Gen 2-13ACN    | QCNFA344A, RTL8822CE, RTL8852AE         |
| Lenovo V50t-13IMH          | RTL8822CE                               |

**Note:** 9560NGW R is a sub-model of 9560NGW, and its certification is covered by 9560NGW.

### ThinkSmart meeting consoles

| ThinkSmart meeting console | Wireless modules |
|----------------------------|------------------|
| Lenovo ThinkSmart Hub 500  | 8265NGW          |
| ThinkSmart Hub             | 9560NGW          |

### ThinkEdge computers

| ThinkEdge computer | Wireless modules                       |
|--------------------|--|
| ThinkEdge SE10     | 9260NGW, AX210NGW, EM05-G, MT7921      |
| ThinkEdge SE30     | 9260NGW, AX201NGW, EM160R-GL, T99W175  |
| ThinkEdge SE50     | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE |
| ThinkEdge SE70     | 9260NGW, AX210NGW                      |

### ThinkCentre computers

| ThinkCentre computer      | Wireless modules                                   |
|---------------------------|--|
| ThinkCentre M60e          | 9560NGW, AX201NGW, RTL8822CE                       |
| ThinkCentre M60q CR Gen 3 | AX211NGW   |
| ThinkCentre M625q         | 9260NGW, QCNFA344A, QCNFA435, RTL8821CE, RTL8822BE |
| ThinkCentre M630e         | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE             |
| ThinkCentre M70a          | 9462NGW, 9560NGW, AX201NGW, RTL8822CE              |
| ThinkCentre M70a Gen 2    | 9560NGW R, AX201NGW, RTL8822CE                     |
| ThinkCentre M70a Gen 3    | 9560NGW, AX201NGW, MT7921, RTL8822CE, RTL8852AE    |
| ThinkCentre M70c          | 9260NGW, RTL8822CE                                 |
| ThinkCentre M70q          | 9462NGW, 9560NGW, AX201NGW, RTL8822CE              |
| ThinkCentre M70q (11E8)   | 9560NGW  |
| ThinkCentre M70q Gen 2    | 9560NGW, AX201NGW, RTL8822CE                       |
| ThinkCentre M70q Gen 3    | 9560NGW, AX201NGW, AX211NGW, RTL8822CE, RTL8852BE  |
| ThinkCentre M70q Gen 4    | AX201NGW, AX211NGW, RTL8852BE                      |
| ThinkCentre M70s          | 9462NGW, 9560NGW, AX201NGW, RTL8822CE              |
| ThinkCentre M70s Gen 3    | 9560NGW, AX201NGW, AX211NGW, RTL8822CE, RTL8852BE  |
| ThinkCentre M70s Gen 4    | AX201NGW, AX211NGW, RTL8852BE                      |
| ThinkCentre M70t          | 9462NGW, 9560NGW, AX201NGW, RTL8822CE              |
| ThinkCentre M70t Gen 3    | 9560NGW, AX201NGW, AX211NGW, RTL8822CE, RTL8852BE  |
| ThinkCentre M70t Gen 4    | AX201NGW, AX211NGW, RTL8852BE                      |
| ThinkCentre M710q         | 3165NGW, 8265NGW, QCNFA344A, QCNFA435              |

| <b>ThinkCentre computer</b> | <b>Wireless modules</b>  |
|-----------------------------|--|
| ThinkCentre M710s           | 3165NGW, 8265NGW, QCNFA344A, QCNFA435                            |
| ThinkCentre M710t           | 3165NGW, 8265NGW, QCNFA344A, QCNFA435                            |
| ThinkCentre M715q           | 9260NGW, QCNFA344A, QCNFA435, RTL8821AE, RT8821CE, RTL8822BE     |
| ThinkCentre M715s           | QCNFA344A, QCNFA435, RTL8821AE, RTL8822BE                        |
| ThinkCentre M715t           | QCNFA344A, QCNFA435, RTL8821AE, RTL8822BE                        |
| ThinkCentre M720q           | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE                           |
| ThinkCentre M720s           | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE                           |
| ThinkCentre M720t           | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE                           |
| ThinkCentre M725s           | QCNFA344A, QCNFA435, RTL8821CE, RTL8822BE                        |
| ThinkCentre M75n            | 9260NGW, RTL8822CE, QCNFA344A                                    |
| ThinkCentre M75q-1          | 9260NGW, QCNFA344A, QCNFA435, RTL8822CE                          |
| ThinkCentre M75q Gen 2      | 9260NGW, AX200NGW, RTL8822CE, RTL8852AE                          |
| ThinkCentre M75s-1          | 9260NGW, QCNFA344A, RTL8822CE                                    |
| ThinkCentre M75s Gen 2      | 9260NGW, RTL8822CE, RTL8852AE                                    |
| ThinkCentre M75t Gen 2      | 9260NGW, RTL8822CE, RTL8852AE                                    |
| ThinkCentre M80q            | 9560NGW, AX201NGW, RTL8822CE                                     |
| ThinkCentre M80q Gen 3      | AX201NGW, AX211NGW, MT7922A22M, RTL8852BE                        |
| ThinkCentre M80q Gen 4      | AX201NGW, AX211NGW, RTL8852BE                                    |
| ThinkCentre M80s            | 9560NGW, AX201NGW, RTL8822CE                                     |
| ThinkCentre M80s Gen 3      | 9560NGW, AX201NGW, AX211NGW, MT7922A22M, RTL8822CE, RTL8852BE    |
| ThinkCentre M80t            | 9560NGW, AX201NGW, RTL8822CE                                     |
| ThinkCentre M80t Gen 3      | 9560NGW, AX201NGW, AX211NGW, MT7922A22M, RTL8822CE, RTL8852BE    |
| ThinkCentre M810z           | 3165NGW, 8265NGW, QCNFA344A, QCNFA435                            |
| ThinkCentre M820z           | 3165NGW, 8265NGW, RTL8821CE, RTL8822BE                           |
| ThinkCentre M828z           | 3165NGW, 8265NGW, 9560NGW, RTL8821CE, RTL8822BE                  |
| ThinkCentre M90a            | 9560NGW, AX200NGW, AX201NGW, RTL8822CE                           |
| ThinkCentre M90a Gen 2      | 9560NGW/9560NGW R, AX201NGW, RTL8822CE                           |
| ThinkCentre M90a Gen 3      | AX201NGW, AX211NGW, JQ670 NS-E171, MT7921, MT7922A22M, RTL8852AE |
| ThinkCentre M90a Pro Gen3   | AX201NGW, AX211NGW, JQ670 NS-E171, MT7921, MT7922A22M, RTL8852AE |
| ThinkCentre M90a Pro Gen4   | AX211NGW, JQ670 NS-E171, RTL8852BE                               |
| ThinkCentre M90n-1          | 9462NGW, 9560NGW, L850-GL, RTL8822CE                             |
| ThinkCentre M90q            | 9560NGW, AX201NGW, RTL8822CE                                     |

| <b>ThinkCentre computer</b>  | <b>Wireless modules</b>                         |
|------------------------------|---|
| ThinkCentre M90q Gen 2       | 9560NGW, AX201NGW, RTL8822CE                    |
| ThinkCentre M90q Gen 3       | AX201NGW, AX211NGW, MT7922A22M, RTL8852BE       |
| ThinkCentre M90q Gen 4       | AX201NGW, AX211NGW, RTL8852BE                   |
| ThinkCentre M90s             | 9560NGW, AX201NGW, RTL8822CE                    |
| ThinkCentre M90s Gen 3       | AX201NGW, AX211NGW, MT7922A22M, RTL8852BE       |
| ThinkCentre M90s Gen 4       | AX201NGW, AX211NGW, RTL8852BE                   |
| ThinkCentre M90t             | 9560NGW, AX201NGW, RTL8822CE                    |
| ThinkCentre M90t Gen 3       | AX201NGW, AX211NGW, MT7922A22M, RTL8852BE       |
| ThinkCentre M90t Gen 4       | AX201NGW, AX211NGW, RTL8852BE                   |
| ThinkCentre M910q            | 3165NGW, 8265NGW, QCNFA344A, QCNFA435           |
| ThinkCentre M910s            | 3165NGW, 8265NGW, QCNFA344A, QCNFA435           |
| ThinkCentre M910t            | 3165NGW, 8265NGW, QCNFA344A, QCNFA435           |
| ThinkCentre M910x            | 3165NGW, 8265NGW, QCNFA344A, QCNFA435           |
| ThinkCentre M910z            | 3165NGW, 8265NGW, QCNFA344A, QCNFA435           |
| ThinkCentre M920q            | 3165NGW, 8265NGW, 9560NGW, RTL8821CE, RTL8822BE |
| ThinkCentre M920s            | 3165NGW, 8265NGW, 9560NGW, RTL8821CE, RTL8822BE |
| ThinkCentre M920t            | 3165NGW, 8265NGW, 9560NGW, RTL8821CE, RTL8822BE |
| ThinkCentre M920x            | 3165NGW, 8265NGW, 9560NGW, RTL8821CE, RTL8822BE |
| ThinkCentre M920z            | 3165NGW, 8265NGW, 9560NGW, RTL8821CE, RTL8822BE |
| ThinkCentre neo 30a 22 Gen 3 | 9560NGW R, AX201NGW, RTL8822CE, RTL8852BE       |
| ThinkCentre neo 30a 24 Gen 3 | 9560NGW R, AX201NGW, RTL8822CE, RTL8852BE       |
| ThinkCentre neo 30a 27 Gen 3 | 9560NGW R, AX201NGW, RTL8822CE, RTL8852BE       |
| ThinkCentre neo 30a 22 Gen 4 | AX201NGW, RTL8852BE                             |
| ThinkCentre neo 30a 24 Gen 4 | AX201NGW, RTL8852BE                             |
| ThinkCentre neo 30a 27 Gen 4 | AX201NGW, RTL8852BE                             |
| ThinkCentre neo 50a 24 Gen 3 | 9560NGW R, AX201NGW, RTL8822CE, RTL8852BE       |
| ThinkCentre neo 50a 24 Gen 4 | AX201NGW, RTL8852BE                             |
| ThinkCentre neo 50q Gen 4    | AX201NGW, RTL8852BE                             |
| ThinkCentre neo 50s Gen 3    | 9560NGW R, AX201NGW, RTL8822CE, RTL8852AE       |
| ThinkCentre neo 50s Gen 4    | AX201NGW, AX211NGW, RTL8852BE                   |
| ThinkCentre neo 50t Gen 3    | 9560NGW R, AX201NGW, RTL8822CE, RTL8852BE       |



| <b>ThinkCentre computer</b> | <b>Wireless modules</b>                                       |
|-----------------------------|---|
| ThinkCentre neo 50t Gen 4   | AX201NGW, RTL8852BE   |
| ThinkCentre neo 70t Gen 3   | 9560NGW, AX201NGW, AX211NGW, MT7922A22M, RTL8822CE, RTL8852BE |

### **ThinkStation computers**

| <b>ThinkStation computer</b> | <b>Wireless modules</b>                   |
|------------------------------|---|
| ThinkStation P340            | AX201NGW                                  |
| ThinkStation P340 Tiny       | 9560NGW, AX201NGW, RTL8822CE              |
| ThinkStation P348            | AX201NGW                                  |
| ThinkStation P350            | AX201NGW                                  |
| ThinkStation P350 Tiny       | 9560NGW, AX201NGW, RTL8822CE              |
| ThinkStation P358 Tower      | MT7921                                    |
| ThinkStation P360 Tiny       | AX201NGW, AX211NGW, MT7922A22M, RTL8852BE |
| ThinkStation P360 Tower      | AX201NGW, AX211NGW                        |
| ThinkStation P360 Ultra      | AX201NGW, AX211NGW                        |
| ThinkStation P3 Tiny         | AX201NGW, AX211NGW, RTL8852BE             |
| ThinkStation P3 Tower        | AX211NGW                                  |
| ThinkStation P3 Ultra        | AX211NGW                                  |
| ThinkStation P5              | AX211NGW                                  |
| ThinkStation P620            | 9260NGW                                   |
| ThinkStation P7              | AX210NGW                                  |
| ThinkStation PX              | AX210NGW                                  |



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## Chapter 2. Read first – regulatory information

Read this document before using your computer. The Lenovo and ThinkCentre computers listed in Chapter 1 of this document comply with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Install and use these computers according to the instructions and precautions provided in this document.

The latest Regulatory Notice has been uploaded on the Web site. To refer to it, go to <http://www.lenovo.com/UserManuals>.

Veillez lire le présent document avant d'utiliser votre ordinateur. Cet ordinateur est conforme aux normes de fréquence radio et de sécurité de tous les pays ou régions dans lesquels son utilisation sans fil a été homologuée. Installez et utilisez l'ordinateur en respectant les instructions qui suivent.

La version la plus récente de la Notice relative à la réglementation a été chargée sur le site Web. Pour la consulter, accédez à <http://www.lenovo.com/UserManuals>.



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## Chapter 3. Regulatory information about wireless modules for countries and regions

This section provides the regulatory information about wireless modules used in your computers.

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### USA – Federal Communications Commission (FCC)

#### Approved wireless devices

This section presents the FCC ID and model number of each wireless device.

#### Preinstalled wireless LAN and Bluetooth combo adapter

- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD93165NGU (Model: 3165NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD98265NG (Model: 8265NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD99260NG (Model: 9260NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD99462NG (Model: 9462NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD99560NG (Model: 9560NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD9AX200NG (Model: AX200NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD9AX201NG (Model: AX201NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD9AX203NG (Model: AX203NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD9AX210NG (Model: AX210NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PD9AX211NG (Model: AX211NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PPD-QCNFA344AH (Model: QCNFA344A)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: PPD-QCNFA435 (Model: QCNFA435)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: RAS-MT7921 (Model: MT7921)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: RAS-MT7922A22M (Model: MT7922A22M)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: TX2-RTL8821AE (Model: RTL8821AE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: TX2-RTL8821CE (Model: RTL8821CE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: TX2-RTL8822BE (Model: RTL8822BE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: TX2-RTL8822CE (Model: RTL8822CE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: TX2-RTL8852AE (Model: RTL8852AE)

- Wireless LAN and Bluetooth combo Mini PCI Express Card  
FCC ID: TX2-RTL8852BE (Model: RTL8852BE)

## Preinstalled wireless WAN modules

- Contains Transmitter Module: FCC ID: 2AQ68T99W175 (Model: T99W175)
- Contains Transmitter Module: FCC ID: XMR2020EM160RGL (Model: EM160R-GL)
- Contains Transmitter Module: FCC ID: XMR2021EM05G (Model: EM05-G)
- Contains Transmitter Module: FCC ID: ZMOL850GL (Model: L850-GL)

## Preinstalled wireless LAN modules

### FCC ID location

If you find one of the following indications on the label attached to your computer, your computer contains a Wireless LAN Mini PCI Express Card, preinstalled by Lenovo:

- "Contains Transmitter Module: FCC ID: PD93165NGU"
- "Contains Transmitter Module: FCC ID: PD98265NG"
- "Contains Transmitter Module: FCC ID: PD99260NG"
- "Contains Transmitter Module: FCC ID: PD99462NG"
- "Contains Transmitter Module: FCC ID: PD99560NG"
- "Contains Transmitter Module: FCC ID: PD9AX200NG"
- "Contains Transmitter Module: FCC ID: PD9AX201NG"
- "Contains Transmitter Module: FCC ID: PD9AX203NG"
- "Contains Transmitter Module: FCC ID: PD9AX210NG"
- "Contains Transmitter Module: FCC ID: PD9AX211NG"
- "Contains Transmitter Module: FCC ID: PPD-QCNFA344A"
- "Contains Transmitter Module: FCC ID: PPD-QCNFA435"
- "Contains Transmitter Module: FCC ID: RAS-MT7921"
- "Contains Transmitter Module: FCC ID: RAS-MT7922A22M"
- "Contains Transmitter Module: FCC ID: TX2-RTL8821AE"
- "Contains Transmitter Module: FCC ID: TX2-RTL8821CE"
- "Contains Transmitter Module: FCC ID: TX2-RTL8822BE"
- "Contains Transmitter Module: FCC ID: TX2-RTL8822CE"
- "Contains Transmitter Module: FCC ID: TX2-RTL8852AE"
- "Contains Transmitter Module: FCC ID: TX2-RTL8852BE"

### Use of the wireless adapter

**Attention:** You are prohibited to replace the preinstalled wireless modules with any other card. If one of your cards requires replacement, send your computer with the preinstalled card(s) to Lenovo so that Lenovo will repair it.

### Radio Frequency interference requirements

Each module 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 the "Electronic emission notices" on page 21.

When you use a wireless LAN and Bluetooth combo module in the 802.11 a/n 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.

## **FCC RF Exposure compliance**

The radiated output power of the PCI Express Mini Card authorized to use for your 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 PCI Express Mini Cards and all persons.**

## **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**

Each computer listed in Chapter 1 of this document is approved for simultaneous use of one of the approved wireless modules. For a list of those transmitters, refer to “Approved wireless devices” on page 9.

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

1. 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.
2. You must follow the RF Safety instructions of wireless option devices that are included in the user manual of the RF option device.
3. If wireless options are prohibited to use in conjunction with another transmitters, you must turn off all other wireless features in your computer.

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## **Canada – Industry Canada (IC)**

### **IC Certification number**

#### **Approved wireless devices**

This section presents the IC Certification and model number of each wireless device.

#### **Preinstalled wireless LAN and Bluetooth combo adapter**

- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-3165NG (Model: 3165NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-8265NG (Model: 8265NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-9260NG (Model: 9260NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-9462NG (Model: 9462NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-9560NG (Model: 9560NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-AX200NG (Model: AX200NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card

- IC: 1000M-AX201NG (Model: AX201NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-AX203NG (Model: AX203NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-AX210NG (Model: AX210NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 1000M-AX211NG (Model: AX211NGW)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 4104A-QCNFA344A (Model: QCNFA344A)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 4104A-QCNFA435 (Model: QCNFA435)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 6317A-RTL8821AE (Model: RTL8821AE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 6317A-RTL8821CE (Model: RTL8821CE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 6317A-RTL8822BE (Model: RTL8822BE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 6317A-RTL8822CE (Model: RTL8822CE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 6317A-RTL8852AE (Model: RTL8852AE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 6317A-RTL8852BE (Model: RTL8852BE)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 7542A-MT7921 (Model: MT7921)
- Wireless LAN and Bluetooth combo Mini PCI Express Card  
IC: 7542A-MT7922A22M (Model: MT7922A22M)

### **Preinstalled wireless WAN modules**

- Contains Transmitter Module: Canada IC: 10224A-2020EM160GL (Model: EM160R-GL)
- Contains Transmitter Module: Canada IC: 10224A-2021EM05G (Model: EM05-G)
- Contains Transmitter Module: Canada IC: 21374-L850GL (Model: L850-GL)
- Contains Transmitter Module: Canada IC: 24374-T99W175 (Model: T99W175)

### **Preinstalled wireless LAN modules**

**Use of the wireless LAN adapter:** If you find one of the following indications on the label attached to your computer, your computer contains a Wireless LAN Mini PCI Express Card, preinstalled by Lenovo:

- "Contains Transmitter Module: Canada IC: 1000M-3165NG"
- "Contains Transmitter Module: Canada IC: 1000M-8265NG"
- "Contains Transmitter Module: Canada IC: 1000M-9260NG"
- "Contains Transmitter Module: Canada IC: 1000M-9462NG"
- "Contains Transmitter Module: Canada IC: 1000M-9560NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX200NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX201NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX210NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX211NG"
- "Contains Transmitter Module: Canada IC: 4104A-QCNFA344A"
- "Contains Transmitter Module: Canada IC: 4104A-QCNFA435"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8821AE"



- "Contains Transmitter Module: Canada IC: 6317A-RTL8821CE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8822BE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8822CE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8852AE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8852BE"
- "Contains Transmitter Module: Canada IC: 7542A-MT7921"
- "Contains Transmitter Module: Canada IC: 7542A-MT7922A22M"

**Attention:** You are prohibited to replace the preinstalled Wireless LAN Mini PCI Express Card modules with any other card. If one of your cards requires replacement, send your computer with the preinstalled card(s) to Lenovo so that Lenovo will repair it.

## Low power license-exempt radio communication devices (RSS-210, RSS-247)

Operation is subject to the following two conditions:

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

When you use a wireless LAN module in the 802.11 a/n/ac/ax transmission mode, note the following:

- 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.
- The maximum antenna gain permitted for devices in the 5250-5350 MHz, 5470-5725 MHz, and 5725-5850 MHz bands complies with the e.i.r.p. limit.

## IC Antenna Statement

This Lenovo computer contains a modular wireless radio transmitter that has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain 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.

| Module Model Number: | IC ID:           | Maximum Gain:  |
|----------------------|------------------|--|
| 3165NGW              | IC: 1000M-3165NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.85 GHz)  |
| 8265NGW              | IC: 1000M-8265NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz) |
| 9260NGW              | IC: 1000M-9260NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz) |

|          |                   |  |
|----------|-------------------|--|
| 9462NGW  | IC: 1000M-9462NG  | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz)   |
| 9560NGW  | IC: 1000M-9560NG  | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz)<br><br>Dipole:<br>2.89 dBi (2.4-2.484 GHz),<br>2.92 dBi (5.15-5.25 GHz),<br>3.19 dBi (5.25-5.35 GHz),<br>4.41 dBi (5.47-5.725 GHz),<br>4.22 dBi (5.725-5.85 GHz)      |
| AX200NGW | IC: 1000M-AX200NG | PIFA:<br>3.24 dBi (2.4-2.484 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.85 GHz)  |
| AX201NGW | IC: 1000M-AX201NG | PIFA:<br>3.24 dBi (2.4-2.484 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.85 GHz)<br><br>Dipole:<br>2.89 dBi (2.4-2.484 GHz),<br>2.92 dBi (5.15-5.25 GHz),<br>3.19 dBi (5.25-5.35 GHz),<br>4.41 dBi (5.47-5.725 GHz),<br>4.22 dBi (5.725-5.85 GHz) |
| AX210NGW | IC: 1000M-AX210NG | PIFA:<br>3.24 dBi (2.4-2.484 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.85 GHz)  |
| AX211NGW | IC: 1000M-AX211NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.85 GHz),<br>4.83 dBi (6.2 GHz),<br>4.30 dBi (6.5 GHz),<br>5.37 dBi (6.6 GHz),<br>5.59 dBi (7.0 GHz)  |

|            |                        |   |
|------------|------------------------|---|
|            |                        | Dipole:<br>3.10 dBi (2.4–2.484 GHz),<br>4.11 dBi (5.15–5.25 GHz),<br>5.17 dBi (5.47–5.725 GHz),<br>5.17 dBi (5.725–5.850 GHz)   |
| EM05-G     | IC: 10224A-2021EM05G   | PIFA:<br>3.07 dBi (WCDMA band II, LTE band 2/25/71)<br>3.15 dBi (LTE band 7)<br>3.22 dBi (LTE band 38)<br>3.31 dBi (LTE band 41)<br>3.38 dBi (WCDMA band IV, LTE band 4)<br>3.55 dBi (LTE band 13/14)<br>3.6 dBi (LTE band 12)<br>3.7 dBi (LTE band 66)<br>3.96 dBi (WCDMA band V, LTE band 5/26) |
| EM160R-GL  | IC: 10224A-2020EM160GL | PIFA:<br>5.00 dBi (WCDMA band V, LTE band 5/12/13/14/26/30/48)<br>6.50 dBi (LTE band 41),<br>8.00 dBi (WCDMA band II/IV, LTE band 2/4/7/25/38/66)   |
| L850-GL    | IC: 21374-L850GL       | PIFA:<br>3.00 dBi (WCDMA band V, LTE band 5/12/13/26),<br>5.00 dBi (WCDMA band II/IV, LTE band 2/4/7/30/41/66)  |
| MT7921     | IC: 7542A-MT7921       | PIFA:<br>3.18 dBi (2.4 GHz),<br>4.92 dBi (5 GHz)  |
| MT7922A22M | IC: 7542A-MT7922A22M   | PIFA:<br>3.18 dBi (2.4 GHz),<br>4.92 dBi (5 GHz)  |
|            |                        | Dipole:<br>2.42 dBi (2.4–2.483 GHz),<br>3.87 dBi (5.15–5.85 GHz)  |
| QCNFA344A  | IC: 4104A-QCNFA344A    | PIFA:<br>3.62 dBi (2.4 GHz),<br>4.76 dBi (5 GHz)  |
| QCNFA435   | IC: 4104A-QCNFA435     | PIFA:<br>5.56 dBi   |
| RTL8821AE  | IC: 6317A-RTL8821AE    | PIFA:<br>3.5 dBi (2.4 GHz),<br>5dBi (5 GHz)   |
| RTL8821CE  | IC: 6317A-RTL8821CE    | PIFA:<br>3.5 dBi (2.4 GHz),<br>5dBi(5 GHz)  |
| RTL8822BE  | IC: 6317A-RTL8822BE    | PIFA:<br>3.5 dBi (2.4 GHz),<br>5 dBi(5 GHz)   |
| RTL8822CE  | IC: 6317A-RTL8822CE    | PIFA:<br>3.5 dBi (2.4 GHz),<br>5 dBi(5 GHz)   |
|            |                        | Dipole:<br>3.14 dBi (2.4–2.48 GHz),<br>5 dBi(5.15–5.85 GHz)   |

|           |                     |  |
|-----------|---------------------|--|
| RTL8852AE | IC: 6317A-RTL8852AE | PIFA:<br>3.5 dBi (2.4-2.5 GHz),<br>5 dBi (5.15-5.85 GHz)   |
| RTL8852BE | IC: 6317A-RTL8852BE | PIFA:<br>3.5 dBi (2.4-2.48 GHz),<br>5 dBi (5.15-5.85 GHz)<br><br>Dipole:<br>3 dBi (2.4-2.48 GHz),<br>5 dBi(5.15-5.85 GHz)  |
| T99W175   | IC: 24374-T99W175   | PIFA:<br>2.5 dBi (WCDMA band V LTE band 5/12/13/14/17/71/5G NR n5/5G NR n12),<br>4 dBi (WCDMA band II, IV LTE band 2/4/7/25/30/38/41/66/5G NR n2/5G NR n7/5G NR n41/5G NR n66) |

## Exposure of humans to RF fields (RSS-102)

The 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 <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. The 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.

## Numéro d'homologation IC

### Périphériques sans fil homologués

Cette section présente le numéro d'homologation IC et le numéro de modèle de chaque périphérique sans fil.

#### Module sans fil préinstallé

- IC: 1000M-3165NG (Model: 3165NGW)
- IC: 1000M-8265NG (Model: 8265NGW)
- IC: 1000M-9260NG (Model: 9260NGW)
- IC: 1000M-9462NG (Model: 9462NGW)
- IC: 1000M-9560NG (Model: 9560NGW)
- IC: 1000M-AX200NG (Model: AX200NGW)
- IC: 1000M-AX201NG (Model: AX201NGW)
- IC: 1000M-AX210NG (Model: AX210NGW)
- IC: 1000M-AX211NG (Model: AX211NGW)
- IC: 10224A-2020EM160GL (Model: EM160R-GL)
- IC: 10224A-2021EM05G (Model: EM05-G)
- IC: 21374-L850GL (Model: L850-GL)
- IC: 24374-T99W175L (Model: T99W175L)
- IC: 4104A-QCNFA344A (Model: QCNFA344A)
- IC: 4104A-QCNFA435 (Model: QCNFA435)
- IC: 6317A-RTL8821AE (Model: RTL8821AE)
- IC: 6317A-RTL8821CE (Model: RTL8821CE)
- IC: 6317A-RTL8822BE (Model: RTL8822BE)
- IC: 6317A-RTL8822CE (Model: RTL8822CE)

- IC: 6317A-RTL8852AE (Model: RTL8852AE)
- IC: 6317A-RTL8852BE (Model: RTL8852BE)
- IC: 7542A-MT7921 (Model: MT7921)
- IC: 7542A-MT7922A22M (Model: MT7922A22M)

## Module sans fil préinstallé

Si vous rencontrez une des indications suivantes sur l'étiquette se trouvant au bas de l'ordinateur, cela signifie que Lenovo y a préinstallé une carte réseau sans fil Mini PCI Express:

- "Contains Transmitter Module: Canada IC: 1000M-3165NG"
- "Contains Transmitter Module: Canada IC: 1000M-8265NG"
- "Contains Transmitter Module: Canada IC: 1000M-9260NG"
- "Contains Transmitter Module: Canada IC: 1000M-9462NG"
- "Contains Transmitter Module: Canada IC: 1000M-9560NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX200NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX201NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX203NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX210NG"
- "Contains Transmitter Module: Canada IC: 1000M-AX211NG"
- "Contains Transmitter Module: Canada IC: 10224A-2020EM160GL"
- "Contains Transmitter Module: Canada IC: 21374-L850GL"
- "Contains Transmitter Module: Canada IC: 4104A-QCNFA344A"
- "Contains Transmitter Module: Canada IC: 4104A-QCNFA435"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8821AE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8821CE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8822BE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8822CE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8852AE"
- "Contains Transmitter Module: Canada IC: 6317A-RTL8852BE"
- "Contains Transmitter Module: Canada IC: 7542A-MT7921"
- "Contains Transmitter Module: Canada IC: 7542A-MT7922A22M"

**Attention:** L'ordinateur contient un mécanisme d'authentification. Vous pouvez installer ou désinstaller tout dispositif sans fil. Si vous installez une carte sans fil qui n'est pas homologuée dans votre ordinateur, l'ordinateur ne démarrera pas mais affichera un message d'erreur et générera des bips sonores.

## Permis d'émission à faible puissance – Cas des appareils de communications radio (CNR-210, CNR-247)

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

1. Cet appareil ne peut pas causer de perturbations électromagnétiques.
2. Cet appareil doit accepter toutes les perturbations reçues, y compris celles susceptibles d'occasionner un fonctionnement indésirable.

Lorsque vous utilisez une carte de réseau local sans fil dans le mode de transmission 802.11 a/n/ac/ax, tenez compte des remarques suivantes:

- 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.
- Le gain d'antenne maximal autorisé pour les appareils dans les bandes de fréquence 5250-5350 MHz, 5470-5725 MHz et 5725-5850 MHz est conforme à la limite p.i.r.e (puissance isotrope rayonnée équivalente).

## Déclaration IC antenne

Cet ordinateur Lenovo contient un émetteur radio sans fil modulaire qui a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous avec le gain maximal admissible indiqué. Types d'antennes ne figurent pas dans cette liste, ayant un gain supérieur au gain maximal indiqué pour ce type, sont strictement interdits pour une utilisation avec cet appareil.

| <b>Module Model Number:</b> | <b>IC ID:</b>    | <b>Maximum Gain:</b>  |
|-----------------------------|------------------|---|
| 3165NGW                     | IC: 1000M-3165NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.85 GHz)   |
| 8265NGW                     | IC: 1000M-8265NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz)  |
| 9260NGW                     | IC: 1000M-9260NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz)  |
| 9462NGW                     | IC: 1000M-9462NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz)  |
| 9560NGW                     | IC: 1000M-9560NG | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15-5.25 GHz),<br>3.73 dBi (5.25-5.35 GHz),<br>4.77 dBi (5.47-5.725 GHz),<br>4.97 dBi (5.725-5.825 GHz)<br><br>Dipole:<br>2.89 dBi (2.4-2.484 GHz),<br>2.92 dBi (5.15-5.25 GHz),<br>3.19 dBi (5.25-5.35 GHz),<br>4.41 dBi (5.47-5.725 GHz),<br>4.22 dBi (5.725-5.85 GHz) |

|           |                        |  |
|-----------|------------------------|--|
| AX200NGW  | IC: 1000M-AX200NG      | PIFA:<br>3.24 dBi (2.4–2.484 GHz),<br>3.64 dBi (5.15–5.25 GHz),<br>3.73 dBi (5.25–5.35 GHz),<br>4.77 dBi (5.47–5.725 GHz),<br>4.97 dBi (5.725–5.85 GHz)  |
| AX201NGW  | IC: 1000M-AX201NG      | PIFA:<br>3.24 dBi (2.4–2.484 GHz),<br>3.64 dBi (5.15–5.25 GHz),<br>3.73 dBi (5.25–5.35 GHz),<br>4.77 dBi (5.47–5.725 GHz),<br>4.97 dBi (5.725–5.85 GHz)<br><br>Dipole:<br>2.89 dBi (2.4–2.484 GHz),<br>2.92 dBi (5.15–5.25 GHz),<br>3.19 dBi (5.25–5.35 GHz),<br>4.41 dBi (5.47–5.725 GHz),<br>4.22 dBi (5.725–5.85 GHz)   |
| AX210NGW  | IC: 1000M-AX210NG      | PIFA:<br>3.24 dBi (2.4–2.484 GHz),<br>3.64 dBi (5.15–5.25 GHz),<br>3.73 dBi (5.25–5.35 GHz),<br>4.77 dBi (5.47–5.725 GHz),<br>4.97 dBi (5.725–5.85 GHz)  |
| AX211NGW  | IC: 1000M-AX211NG      | PIFA:<br>3.24 dBi (2.4 GHz),<br>3.64 dBi (5.15–5.25 GHz),<br>3.73 dBi (5.25–5.35 GHz),<br>4.77 dBi (5.47–5.725 GHz),<br>4.97 dBi (5.725–5.85 GHz),<br>4.83 dBi (6.2 GHz),<br>4.30 dBi (6.5 GHz),<br>5.37 dBi (6.6 GHz),<br>5.59 dBi (7.0 GHz)<br><br>Dipole:<br>3.10 dBi (2.4–2.484 GHz),<br>4.11 dBi (5.15–5.25 GHz),<br>5.17 dBi (5.47–5.725 GHz),<br>5.17 dBi (5.725–5.850 GHz) |
| EM05-G    | IC: 10224A-2021EM05G   | PIFA:<br>3.07 dBi (WCDMA band II, LTE band 2/25/71)<br>3.15 dBi (LTE band 7)<br>3.22 dBi (LTE band 38)<br>3.31 dBi (LTE band 41)<br>3.38 dBi (WCDMA band IV, LTE band 4)<br>3.55 dBi (LTE band 13/14)<br>3.6 dBi (LTE band 12)<br>3.7 dBi (LTE band 66)<br>3.96 dBi (WCDMA band V, LTE band 5/26)  |
| EM160R-GL | IC: 10224A-2020EM160GL | PIFA:<br>5.00 dBi (WCDMA band V, LTE band 5/12/13/14/26/30/48)<br>6.50 dBi (LTE band 41),<br>8.00 dBi (WCDMA band II/IV, LTE band 2/4/7/25/38/66)  |

|            |                      |  |
|------------|----------------------|--|
| L850-GL    | IC: 21374-L850GL     | PIFA:<br>3.00 dBi (WCDMA band V, LTE band 5/12/13/26),<br>5.00 dBi (WCDMA band II/IV, LTE band 2/4/7/30/41/66)   |
| MT7921     | IC: 7542A-MT7921     | PIFA:<br>3.18 dBi (2.4 GHz),<br>4.92 dBi (5 GHz)   |
| MT7922A22M | IC: 7542A-MT7922A22M | PIFA:<br>3.18 dBi (2.4 GHz),<br>4.92 dBi (5 GHz)<br><br>Dipole:<br>2.42 dBi (2.4-2.483 GHz),<br>3.87 dBi (5.15-5.85 GHz)   |
| QCNFA344A  | IC: 4104A-QCNFA344A  | PIFA:<br>3.62 dBi (2.4 GHz),<br>4.76 dBi (5 GHz)   |
| QCNFA435   | IC: 4104A-QCNFA435   | PIFA:<br>5.56 dBi  |
| RTL8821AE  | IC: 6317A-RTL8821AE  | PIFA:<br>3.5 dBi (2.4 GHz),<br>5dBi (5 GHz)  |
| RTL8821CE  | IC: 6317A-RTL8821CE  | PIFA:<br>3.5 dBi (2.4 GHz),<br>5dBi(5 GHz)   |
| RTL8822BE  | IC: 6317A-RTL8822BE  | PIFA:<br>3.5 dBi (2.4 GHz),<br>5 dBi(5 GHz)  |
| RTL8822CE  | IC: 6317A-RTL8822CE  | PIFA:<br>3.5 dBi (2.4 GHz),<br>5 dBi(5 GHz)<br><br>Dipole:<br>3.14 dBi (2.4-2.48 GHz),<br>5 dBi(5.15-5.85 GHz)   |
| RTL8852AE  | IC: 6317A-RTL8852AE  | PIFA:<br>3.5 dBi (2.4-2.5 GHz),<br>5 dBi (5.15-5.85 GHz)   |
| RTL8852BE  | IC: 6317A-RTL8852BE  | PIFA:<br>3.5 dBi (2.4-2.48 GHz),<br>5 dBi (5.15-5.85 GHz)<br><br>Dipole:<br>3 dBi (2.4-2.48 GHz),<br>5 dBi(5.15-5.85 GHz)  |
| T99W175    | IC: 24374-T99W175    | PIFA:<br>2.5 dBi (WCDMA band V LTE band 5/12/13/14/17/71/5G NR n5/5G NR n12),<br>4 dBi (WCDMA band II, IV LTE band 2/4/7/25/30/38/41/66/5G NR n2/<br>5G NR n7/5G NR n41/5G NR n66) |



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

L'ordinateur 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 <http://www.hc-sc.gc.ca>.

L'énergie émise par les antennes reliées aux adaptateurs sans fil conforme à la limite IC de l'exigence de l'exposition aux RF IC concernant CNR-102, Issue 5, Section 4, définies pour un environnement non contrôlé.

## Industry Canada compliance statement

CAN ICES-003(B) / NMB-003(B)

## Electronic emission notices

### Electromagnetic emission notices

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

### Location for the FCC ID and IC ID

If you purchased your computer in the United States or Canada and the computer includes factory-preinstalled wireless modules, a piece of text containing identification strings for these modules (FCC ID and IC ID) is visible on your computer. The text may either be laser etched or on a physical label affixed to the computer. To obtain the FCC ID or IC ID for the factory-preinstalled wireless module, check the computer for strings directly after "FCC ID" or "IC ID".

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## European Union (EU) / United Kingdom (UK) Compliance

### UK declaration of conformity



Hereby, Lenovo declares that the wireless equipment listed in this document is in compliance with the UK Radio Equipment Regulations SI 2017 No. 1206.

The full text of the system UK declaration of conformity is available at: <https://www.lenovo.com/us/en/compliance/uk-doc>.

### EU declaration of conformity



Hereby, Lenovo declares that the wireless equipment listed in this document is in compliance with the EU Radio Equipment Directive 2014/53/EU.

The full text of the system EU Declaration of Conformity is available at <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Bulgarian

С настоящото Lenovo декларира, че безжичното оборудване, споменато в този раздел, съответства на Директивата на ЕС за радиооборудване 2014/53/EC.

Пълният текст на декларацията за съответствие на ЕС относно системата е наличен на <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Croatian

Tvrtka Lenovo ovime izjavljuje da je bežična oprema navedena u ovom dokumentu u skladnosti s EU Direktivom o radijskoj opremi 2014/53/EU.

Potpuni tekst EU izjave o skladnosti sustava dostupan je na <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Czech

Společnost Lenovo tímto prohlašuje, že bezdrátová zařízení uvedená v tomto dokumentu splňují základní i další relevantní požadavky směrnice EU o rádiových zařízeních 2014/53/EU.

Úplný text EU prohlášení o shodě systému je k dispozici na adrese <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Danish

Lenov erklærer hermed, at det trådløse udstyr, der er angivet i dette dokument, overholder EU-direktivet om radioudstyr 2014/53/EU.

Hele teksten til EU's overensstemmelseserklæring for systemet er tilgængelig på <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Dutch

Hierbij verklaart Lenovo dat de draadloze apparatuur die in dit document wordt vermeld, voldoet aan EU-richtlijn 2014/53/EU inzake radioapparatuur.

De volledige tekst van de EU-conformiteitsverklaring voor het systeem is beschikbaar op <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Estonian

Siinkohal kinnitab ettevõtte Lenovo et käesolevas dokumendis kirjeldatud juhtmeta seadmed on kooskõlas ELi raadioseadmete direktiiviga 2014/53/EL.

Süsteemi ELi vastavusdeklaratsiooni täielik tekst on saadaval siin: <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Finnish

Lenovo ilmoittaa täten, että tässä asiakirjassa mainittu langaton laite on EU:n radiolaitedirektiivin 2014/53/EU mukainen.

Järjestelmän EU-vaatimustenmukaisuusvakuutuksen koko teksti on saatavilla osoitteessa <https://www.lenovo.com/us/en/compliance/eu-doc>.

## French

Par la présente, Lenovo déclare que les équipements sans fil listés dans ce document sont conformes à la directive 2014/53/UE sur les équipements radio de l'UE.

Le texte complet de la déclaration européenne de conformité du système est disponible à l'adresse <https://www.lenovo.com/us/en/compliance/eu-doc>.

## German

Hiermit erklärt Lenovo dass das in diesem Dokument aufgelistete Funkgerät die EU-Funkanlagen-Richtlinie 2014/53/EU erfüllt.

Der vollständige Wortlaut der EU-Konformitätserklärung für das System ist unter <https://www.lenovo.com/us/en/compliance/eu-doc> verfügbar.

## Greek

Με το παρόν, η Lenovo δηλώνει ότι ο ασύρματος εξοπλισμός που αναγράφεται στο παρόν έγγραφο συμμορφώνεται με την Οδηγία περί Ραδιοεξοπλισμού 2014/53/ΕΕ της ΕΕ.

Το πλήρες κείμενο της Δήλωσης Συμμόρφωσης ΕΕ για το σύστημα είναι διαθέσιμο στη διεύθυνση <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Hungarian

A Lenovo kijelenti, hogy a jelen dokumentumban említett vezeték nélküli készülék megfelel a 2014/53/EU számú, EU Rádióberendezésekről szóló direktívában foglaltaknak.

A rendszer EU-s megfeleléségi nyilatkozatának teljes szövege a következő weboldalon olvasható: <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Italian

Con la presente documentazione, Lenovo dichiara che l'apparecchiatura wireless indicata in questo documento è conforme alla direttiva EU 2014/53/EU sulle apparecchiature radio.

Il testo integrale della dichiarazione di conformità dei sistemi dell'UE è disponibile all'indirizzo <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Latvian

Ar šo uzņēmums Lenovo paziņo, ka šajā dokumentā norādītais bezvadu aprīkojums atbilst ES Direktīvai 2014/53/EK par radioiekārtām.

Pilns ES atbilstības deklarācijas teksts ir pieejams šajā interneta adresē: <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Lithuanian

Lenovo pareiškia, kad šiame dokumente nurodyta belaidė įranga atitinka ES radijo įrangos direktyvos 2014/53/ES reikalavimus.

Visą sistemos ES atitikties deklaracijos tekstą galite rasti adresu <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Norwegian

Lenovo erklærer herved at det trådløse utstyret som er oppført i dette kapitlet, er i samsvar med direktiv 2014/53/EU om radioutstyr.

Hele teksten til EUs samsvarserklæring finner du her <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Polish

Firma Lenovo niniejszym oświadcza, że urządzenia bezprzewodowe wymienione w tym dokumencie spełniają wymagania dyrektywy UE w sprawie sprzętu radiowego 2014/53/EU.

Pełna treść deklaracji zgodności systemu z wymaganiami UE jest dostępna pod adresem <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Portuguese

A Lenovo declara por este meio que o equipamento sem fios listado neste documento está em conformidade com a Diretiva de Equipamento de Rádio da UE 2014/53/UE.

O texto integral da Declaração de Conformidade do sistema para a UE está disponível em <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Romanian

Prin prezenta, Lenovo declară că echipamentul fără fir prezentat în acest document este în conformitate cu Directiva UE privind echipamentele radio 2014/53/UE.

Textul complet al Declarației de conformitate UE pentru sistem este disponibil la <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Slovakian

Spoločnosť Lenovo týmto vyhlasuje, že bezdrôtové zariadenie uvedené v tomto dokumente je v súlade so smernicou Európskej únie o rádiových zariadeniach 2014/53 EÚ.

Úplné znenie vyhlásenia EÚ o zhode pre systém je k dispozícii na adrese: <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Slovenian

Lenovo s tem izjavlja, da je brezžična oprema, navedena v tem dokumentu, skladna z direktivo EU o radijski opremi 2014/53/EU.

Celotno besedilo izjave EU o skladnosti za sistem je na voljo na naslovu <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Spanish

Mediante el presente documento, Lenovo declara que el equipo inalámbrico indicado en este documento cumple con la Directiva de Equipos de Radio 2014/53/UE de la UE.

El texto completo de la declaración de conformidad de la UE correspondiente al sistema está disponible en <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Swedish

Härmed intygar Lenovo att den trådlösa utrustning som beskrivs i detta dokument överensstämmer med EU:s direktiv för radioutrustning 2014/53/EU.

Den fullständiga texten i EU:s deklARATION om överensstämmelse finns tillgänglig på <https://www.lenovo.com/us/en/compliance/eu-doc>.

## Turkish

Lenovo bu belgede listelenen kablosuz cihazların AB Radyo Ekipmanları Yönetmeliği 2014/53/EU ile uyumlu olduğunu beyan eder.

Sistemin AB Uyumluluk Bildirimi tam metni <https://www.lenovo.com/us/en/compliance/eu-doc> adresinde bulunmaktadır.

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## Notice for users in Japan

内蔵無線アダプターを日本国内でご使用になる際の注意

### 日本国内で無線 LAN アダプターおよび Bluetooth アダプターをご使用になる場合の注意

本製品が装備する無線アダプターは、電波法および電気通信事業法により技術基準認証を下記のとおり取得しています。本製品に組み込まれた無線設備を他の機器で使用する場合は、当該機器が上記と同じく認証を受けていることをご確認ください。認証されていない機器での使用は、電波法の規定により認められていません。

Table 1. 無線 LAN/Bluetooth アダプター
















| 認証申請者名                             | 認証製品名            | 認証番号  |
|------------------------------------|------------------|---|
| Intel Mobile Communications S.A.S. | 3165NGW <b>1</b> |   003-150009<br> D150008003 |
|                                    | 8265NGW <b>1</b> |   003-160104<br> D160055003 |
|                                    | 9260NGW <b>1</b> |   003-170125<br> D170079003 |
|                                    | 9462NGW <b>1</b> |   003-170245<br> D170151003 |
|                                    | 9560NGW <b>1</b> |   003-170126<br> D170080003 |

Table 1. 無線 LAN/Bluetooth アダプター (continued)














































| 認証申請者名                      | 認証製品名               | 認証番号  |
|-----------------------------|---------------------|---|
|                             | AX200NGW <b>1</b>   |   003-190022<br> D190021003       |
|                             | AX201NGW <b>1</b>   |   003-180232<br> D180131003       |
|                             | AX203NGW <b>1</b>   |   003-200294<br> D200188003       |
|                             | AX210NGW <b>1</b>   |   003-200209<br> D200188003       |
|                             | AX211NGW <b>1</b>   |   003-220256<br> D220165003       |
| MediaTek Inc.               | MT7921 <b>1</b>     |   020-200147<br> D200054020 |
|                             | MT7922A22M <b>1</b> |   020-210086<br> D210041020 |
| Qualcomm Atheros, Inc.      | QCNFA344A <b>1</b>  |   003-150041<br> D150037003 |
|                             | QCNFA435 <b>1</b>   |   003-140299<br> D140299003 |
| Realtek Semiconductor Corp. | RTL8821AE <b>1</b>  |   201-135228<br> D135067201 |
|                             | RTL8821CE <b>1</b>  |   201-163301<br> D160283201 |

Table 1. 無線 LAN/Bluetooth アダプター (continued)

| 認証申請者名 | 認証製品名              | 認証番号  |
|--------|--------------------|---|
|        | RTL8822BE <b>1</b> |   201-160557<br> D160122201 |
|        | RTL8822CE <b>1</b> |   201-180775<br> D180171201 |
|        | RTL8852AE <b>1</b> |   201-200737<br> D200169201 |
|        | RTL8852BE <b>1</b> |   201-210496<br> D210109201 |

**1**: 無線LAN およびBluetooth 両用型の無線装置です。

#### (5GHz/6GHz の場合)

ご使用のLenovo またはThinkCentre にIEEE802.11a/n 準拠の無線機器が搭載されている場合は、5.15-5.35 GHz 周波数帯での使用は、電波法の規定により屋内に限られます(屋外での使用は禁じられています)。5GHz/6GHz 帯は屋内使用限定(登録局との通信を除く)

#### (2.4GHz の場合)

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局(免許を要する無線局)および特定小電力無線局(免許を要しない無線局)並びにアマチュア無線局(免許を要する無線局)が運用されています。

1. この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局並びにアマチュア無線局が運用されていないことを確認してください。
2. 万一、この機器から移動体識別用の構内無線局に対して電波干渉の事例が発生した場合には、速やかに使用周波数を変更するかまたは電波の発射を停止した上で、下記連絡先にご連絡頂き、混信回避のための処置等についてご相談ください。
3. その他、この機器からの移動体識別用の特定小電力無線局あるいはアマチュア無線局に対して有害な電波干渉の事例が発生した場合など何かお困りのことが起きたときには、次の連絡先にお問い合わせください。

連絡先: レノボ・スマートセンター(スマートセンターのご利用方法は、次のホームページでご確認頂けます。<http://www.lenovo.com/jp/lsmartctr/>)



#### 無線 LAN アダプター (IEEE802.11b/g 準拠) の場合

この機器が、2.4 GHz 周波数帯 (2400 から 2483.5 MHz) を使用する直接拡散 (DS) 方式および直交周波数分割多重方式 (OFDM) の無線装置で、干渉距離が約 40 m (定格出力 10 mW/MHz) であることを意味しています。



#### Bluetooth アダプターの場合

この機器が、2.4 GHz 周波数帯 (2400 から 2483.5 MHz) を使用する周波数ホッピング (FH) 方式の無線装置で、干渉距離が約 10 m であることを意味します。

2.4FH2

#### Bluetooth アダプターの場合

この機器が、2.4 GHz 周波数帯 (2400 から 2483.5 MHz) を使用する周波数ホッピング (FH) 方式の無線装置で、干渉距離が約 20 m であることを意味します。

2.4FH4

#### Bluetooth アダプターの場合

この機器が、2.4 GHz 周波数帯 (2400 から 2483.5 MHz) を使用する周波数ホッピング (FH) 方式の無線装置で、干渉距離が約 40 m であることを意味します。

2.4FH8

#### Bluetooth アダプターの場合

この機器が、2.4 GHz 周波数帯 (2400 から 2483.5 MHz) を使用する周波数ホッピング (FH) 方式の無線装置で、干渉距離が約 80 m であることを意味します。

以上の内容は、「社団法人 電波産業会」ARIB STD-T66の趣旨に基づくものです。

## 無線 LAN 製品ご使用時におけるセキュリティに関するご注意

無線 LAN では、LAN ケーブルを使用する代わりに、電波を利用してパソコン等と無線アクセスポイント間で情報のやり取りを行うため、電波の届く範囲であれば自由に LAN 接続が可能であるという利点があります。その反面、電波はある範囲内であれば障害物 (壁等) を越えてすべての場所に届くため、セキュリティに関する設定を行っていない場合、以下のような問題が発生する可能性があります。

- 通信内容を盗み見られる 悪意ある第三者が、電波を故意に傍受し、
  - ID やパスワード又はクレジットカード番号等の個人情報
  - メールの内容等の通信内容を盗み見られる可能性があります。
- 不正に侵入される 悪意ある第三者が、無断で個人や会社内のネットワークへアクセスし、
  - 個人情報や機密情報を取り出す (情報漏洩)
  - 特定の人物になりすまして通信し、不正な情報を流す (なりすまし)
  - 傍受した通信内容を書き換えて発信する (改ざん)
  - コンピュータウイルスなどを流しデータやシステムを破壊する (破壊)などの行為をされてしまう可能性があります。

本来、無線 LAN カードや無線アクセスポイントは、これらの問題に対応するためのセキュリティの仕組みを持っていますので、無線 LAN 製品のセキュリティに関する設定を行って製品を使用することで、その問題が発生する可能性は少なくなります。

セキュリティの設定を行わないで使用した場合の問題を充分理解した上で、お客様自身の判断と責任においてセキュリティに関する設定を行い、製品を使用することをお奨めします。

## 使用環境および快適に使用するために

ワイヤレス LAN PCI Express ミニ・カード、および Bluetooth デバイスは、ほかの無線装置のように無線周波数電磁波を放射します。しかしながら、これらの無線装置が発する電磁波が人体へ与える影響は、頭部等へ直接接触して使用される携帯電話などの機器とは異なり、とても弱いレベルのものです。

ワイヤレス LAN PCI Express ミニ・カード、および Bluetooth デバイスは、無線周波数に関する安全基準や勧告などのガイドラインに従って動作するもので、Lenovo®は、消費者が内蔵ワイヤレス・カードを使用しても安全であると考えます。これらの標準および勧告は、科学者団体の合意や広範な研究文献を頻繁に検討、調査している科学者のパネルや委員会の審議の結果を反映しています。

状況や環境によって、建物の所有者や組織の代表責任者がワイヤレス LAN PCI Express ミニ・カード、または Bluetooth デバイスの使用を制限することがあります。たとえば、次のような場合や場所です。

- 飛行機の搭乗中、病院内、あるいはガソリンスタンド、(電気式発火装置のある) 爆発の危険のある場所、医療用インプラント、またはペースメーカーなどの装着式医療用電子機器の近くで、内蔵ワイヤレス・カードを使用すること。















- 他の装置や機能に対して有害と認識または確認されている妨害を起こす危険性がある場合。

特定の場所で(たとえば空港や病院など)ワイヤレス・デバイスの使用が許可されているかどうか分からない場合は、ThinkCentreの電源を入れる前に、ワイヤレス LAN PCI Express ミニ・カード、または Bluetooth デバイスを使用してもよいかどうかをお尋ねください。

## 日本国内で無線 WAN アダプターをご使用になる場合の注意

本製品が装備する無線アダプターは、電波法および電気通信事業法により技術基準認証を下記のとおり取得しています。本製品に組み込まれた無線設備を他の機器で使用する場合は、当該機器が上記と同じく認証を受けていることをご確認ください。認証されていない機器での使用は、電波法の規定により認められていません。

Table 2. 無線 WAN アダプター

| 認証申請者名                               | 認証製品名     | 認証番号  |
|--------------------------------------|-----------|---|
| Quectel Wireless Solutions Co., Ltd. | EM05-G    |   003-210129<br> D210087003       |
|                                      | EM160R-GL |   003-200141<br> D200118003       |
| Fibocom Wireless Inc.                | L850-GL   |   201-170341<br> D170091201   |
| HON LIN Technology Co., Ltd.         | T99W175   |   003-200090<br> D200071003 |

### 使用環境および快適に使用するために

ワイヤレスWANカードは、ほかの無線装置のように無線周波数電磁波を發します。しかしながら、これらの無線装置が發する電磁波が人体へ与える影響は、頭部等へ直接接觸して使用される携帯電話などの機器とは異なり、とても弱いレベルのものです。

ワイヤレスWANカードは、無線周波数に関する安全基準や勧告などのガイドラインに従って動作するもので、Lenovoは、消費者が内蔵ワイヤレス・カードを使用しても安全であると考えます。これらの標準および勧告は、科学者団体の合意や広範な研究文献を頻繁に検討、調査している科学者のパネルや委員会の審議の結果を反映しています。

状況や環境によって、建物の所有者や組織の代表責任者がワイヤレスWANカードはの使用を制限することがあります。たとえば、次のような場合や場所です。

- 飛行機の搭乗中、病院内、あるいはガソリンスタンド、(電気式発火装置のある)爆発の危険のある場所、医療用インプラント、またはペースメーカーなどの装着式医療用電子機器の近くで、内蔵ワイヤレス・カードを使用すること。
- 他の装置や機能に対して有害と認識または確認されている妨害を起こす危険性がある場合。

特定の場所で(たとえば空港や病院など)ワイヤレス・デバイスの使用が許可されているかどうか分からない場合は、ThinkCentreの電源を入れる前に、ワイヤレスWANカードを使用してもよいかどうかをお尋ねください。

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## Notice for users in Brazil (Aviso para os utilizadores no Brasil)

|            |   |
|------------|---|
| Portuguese | Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. |
| English    | This equipment is not protected against harmful interference and may not cause interference with duly authorized systems.                         |

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## Notice for users in Korea

For models: 3165NGW, 8265NGW, 9260NGW, 9462NGW, 9560NGW, AX200NGW, AX201NGW, AX203NGW, AX210NGW, AX211NGW, EM160R-GL, L850-GL, MT7921, MT7922A22M, QCNFA344A, QCNFA435, R-C-QUT-EM05-G, RTL8821AE, RTL8821CE, RTL8822BE, RTL8822CE, RTL8852AE, RTL8852BE, and T99W175

B 급 기기 (가정용 방송통신기자재)

이 기기는 가정용(B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로하며, 모든 지역에서 사용할 수 있습니다.

무선설비 전파 혼신 (사용주파수 2400~2483.5 , 5725~5825 무선제품해당)  
해당 무선설비가 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음

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## Notice for users in Mexico (Nota para uso en Mexico)

Note:

Para información adicional por favor buscar el número de el certificado inalámbrico de IFT en el cartón de empaque.

Advertensia:

En Mexico la operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

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## Notice for users in Morocco

The following models are approved for Morocco by ANRT:

- Lenovo EPC300
- Lenovo V130-20IGM AIO
- Lenovo V30a 22IIL
- Lenovo V30a 24IIL
- Lenovo V30a-22IML
- Lenovo V30a-24IML

- Lenovo V35s-07ADA
- Lenovo V330-15IGM Desktop
- Lenovo V330-20ICB AIO
- Lenovo V50a-22IMB
- Lenovo V50a-24IMB
- Lenovo V50s-07IMB
- Lenovo V50t-13IMB
- Lenovo V50t Gen 2-13IOB
- Lenovo V530-15ARR Desktop
- Lenovo V530-15ICB Desktop
- Lenovo V530-15ICR
- Lenovo V530-22ICB AIO
- Lenovo V530-24ICB AIO
- Lenovo V530S-07ICB Desktop
- Lenovo V530S-07ICR
- Lenovo V540-24IWL AIO
- Lenovo V55t-15API
- Lenovo V55t-15ARE
- Lenovo V55t Gen 2-13ACN
- Lenovo ThinkSmart Hub 500
- ThinkSmart Hub
- ThinkEdge SE10
- ThinkEdge SE30
- ThinkEdge SE50
- ThinkCentre M60e
- ThinkCentre M625q
- ThinkCentre M630e
- ThinkCentre M70a
- ThinkCentre M70a Gen 2
- ThinkCentre M70a Gen 3
- ThinkCentre M70c
- ThinkCentre M70q
- ThinkCentre M70q (11E8)
- ThinkCentre M70q Gen 2
- ThinkCentre M70q Gen 3
- ThinkCentre M70s
- ThinkCentre M70s Gen 3
- ThinkCentre M70s Gen 4
- ThinkCentre M90s Gen 4
- ThinkCentre M70t
- ThinkCentre M70t Gen 3

- ThinkCentre M70t Gen 4
- ThinkCentre M90t Gen 4
- ThinkCentre M710q
- ThinkCentre M710s
- ThinkCentre M710t
- ThinkCentre M715q
- ThinkCentre M715s
- ThinkCentre M715t
- ThinkCentre M720q
- ThinkCentre M720s
- ThinkCentre M720t
- ThinkCentre M725s
- ThinkCentre M75n
- ThinkCentre M75q-1
- ThinkCentre M75q Gen 2
- ThinkCentre M75s-1
- ThinkCentre M75s Gen 2
- ThinkCentre M75t Gen 2
- ThinkCentre M80q
- ThinkCentre M80q Gen 3
- ThinkCentre M80s
- ThinkCentre M80s Gen 3
- ThinkCentre M80t
- ThinkCentre M80t Gen 3
- ThinkCentre M810z
- ThinkCentre M820z
- ThinkCentre M828z
- ThinkCentre M90a
- ThinkCentre M90a Gen 2
- ThinkCentre M90a Gen 3
- ThinkCentre M90a Pro Gen3
- ThinkCentre M90n-1
- ThinkCentre M90q
- ThinkCentre M90q Gen 2
- ThinkCentre M90q Gen 3
- ThinkCentre M90s
- ThinkCentre M90s Gen 3
- ThinkCentre M90t
- ThinkCentre M90t Gen 3
- ThinkCentre M910q
- ThinkCentre M910s

- ThinkCentre M910t
- ThinkCentre M910x
- ThinkCentre M910z
- ThinkCentre M920q
- ThinkCentre M920s
- ThinkCentre M920t
- ThinkCentre M920x
- ThinkCentre M920z
- ThinkCentre neo 30a 22 Gen 3
- ThinkCentre neo 30a 24 Gen 3
- ThinkCentre neo 50a 24 Gen 3
- ThinkCentre neo 50s Gen 3
- ThinkCentre neo 50s Gen 4
- ThinkCentre neo 50q Gen 4
- ThinkCentre neo 50t Gen 3
- ThinkCentre neo 50t Gen 4
- ThinkStation P360 Tiny
- ThinkCentre M70q Gen 4
- ThinkCentre M80q Gen 4
- ThinkCentre M90q Gen 4
- ThinkStation P3 Tower
- ThinkStation P3 Tiny
- ThinkStation P3 Ultra
- ThinkStation P5
- ThinkStation P7
- ThinkStation PX
- ThinkCentre neo 30a 22 Gen 4
- ThinkCentre neo 30a 24 Gen 4
- ThinkCentre neo 30a 27 Gen 4
- ThinkCentre M70t Gen 4
- ThinkCentre M70s Gen 4

In addition, the following wireless modules used in the products listed above are all approved for Morocco by ANRT: **3165NGW, 8265NGW, 9260NGW, 9462NGW, 9560NGW, AX200NGW, AX201NGW, AX210NGW, AX211NGW, EM160R-GL, L850-GL, MT7921, MT7922A22M, QCNFA344A, QCNFA435, RTL8821AE, RTL8821CE, RTL8822BE, RTL8822CE, RTL8852AE, and RTL8852BE**

**Notes:**

- The operation of this product in the radio channel 2 (2417 MHz) is not authorized in the following cities: Agadir, Assa-Zag, Cabo Negro, Chaouen, Goulmima, Oujda, Tan Tan, Taourirt, Taroudant and Taza.
- The operation of this product in the radio channels 4, 5, 6, and 7 (2425 - 2442 MHz) is not authorized in the following cities: Aéroport Mohamed V, Agadir, Aguelmous, Anza, Benslimane, Béni Hafida, Cabo Negro,

Casablanca, Fès, Lakbab, Marrakech, Merchich, Mohammédia, Rabat, Salé, Tanger, Tan Tan, Taounate, Tit Mellil, Zag.

- Due to the channel restrictions above, the operation of this product using the fat channel mode (40 MHz of channel bandwidth) is not allowed at the 2.4 GHz frequency band.

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## Notice for users in Nigeria

For models: 3165NGW, 8265NGW, 9260NGW, 9462NGW, 9560NGW, AX200NGW, AX201NGW, AX203NGW, AX210NGW, AX211NGW, MT7921, MT7922A22M, QCNFA344A, QCNFA435, RTL8821AE, RTL8821CE, RTL8822BE, RTL8822CE, RTL8852AE, and RTL8852BE

Connection and use of this  
communications equipment  
is permitted by the Nigerian  
Communications Commission

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## Notice for users in Pakistan

The following adapters have been approved by Pakistan Telecommunication Authority (PTA): 3165NGW, 8265NGW, 9260NGW, 9462NGW, 9560NGW, AX200NGW, AX201NGW, AX210NGW, AX211NGW, AX203NGW, EM05-G, EM160R-GL, MT7921, MT7922A22M, L850-GL, QCNFA344A, QCNFA435, RTL8821AE, RTL8821CE, RTL8822BE, RTL8822CE, RTL8852AE, and RTL8852BE

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## Notice for users in Taiwan

For models: 3165NGW, 8265NGW, 9260NGW, 9462NGW, 9560NGW, 9560NGW R, AX200NGW, AX201NGW, AX203NGW, AX210NGW, AX211NGW, EM160R-GL, L850-GL, MT7921, MT7922A22M, QCNFA344A, QCNFA435, RTL8821AE, RTL8821CE, RTL8822BE, RTL8822CE, RTL8852AE, and RTL8852BE

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。應避免影響附近雷達系統之操作。高增益指向性天線只得應用於固定式點對點系統。

在5.25-5.35GHz頻帶內操作之無限通訊傳輸設備，限於室內使用。

電磁波警語

減少電磁波影響，請妥適使用

For model EM05-G

平臺型號:ThinkEdge SE10

內置模塊: EM05-G

電波功率密度MPE標準值 : 0.9 mW/cm<sup>2</sup> , 送測產品實測值 : 0.18 mW/cm<sup>2</sup> , 建議使用時設備天線至少距離人體 20 公分。

**For model EM160R-GL**

平臺型號:ThinkEdge SE30

內置模塊: EM160R-GL

電波功率密度MPE標準值 : 1 mW/cm<sup>2</sup> , 送測產品實測值 : 0.11 mW/cm<sup>2</sup> , 建議使用時設備天線至少距離人體 20 公分。

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## Notice for users in Thailand

**For models: 3165NGW, 8265NGW, 9260NGW, 9462NGW, 9560NGW, 9560NGW R, AX200NGW, AX201NGW, AX203NGW, AX210NGW, AX211NGW, EM160R-GL, L850-GL, MT7921, MT7922A22M, QCNFA344A, QCNFA435, RTL8821AE, RTL8821CE, RTL8822BE, RTL8822CE, RTL8852AE, and RTL8852BE**

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช./กสทช.

เครื่องวิทยุคมนาคมนี้มีระดับการแผ่คลื่นแม่เหล็กไฟฟ้าสอดคล้องกับมาตรฐานความปลอดภัย ต่อสุขภาพของมนุษย์จากการใช้เครื่องวิทยุคมนาคมที่คณะกรรมการกิจการโทรคมนาคมแห่งชาติ กำหนด

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## Notice for users in Philippines

**EM05-G**



Type Approved

ESD-CPE-2303847

**EM05-G+MT7921**



Type Approved

ESD-GEC-2308029

**EM05-G+AX210NGW**



Type Approved

ESD-GEC-2308028

**EM05-G+9260NGW**



Type Approved

ESD-GEC-2308114

**EM160R-GL**



Type Approved

ESD-CPE-2103648

**EM160R-GL+9260NGW**



Type Approved

ESD-GEC-2106673

**L850-GL**



Type Approved

ESD-CPE-2003572

**L850-GL+9462NGW**



Type Approved

ESD-GEC-2006042

**L850-GL+9560NGW**



Type Approved

ESD-GEC-2006044

**L850-GL+RTL8822CE**



Type Approved

ESD-GEC-2006043

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## Supplemental information for the Republic of Belarus

Соответствует техническому регламенту Республики Беларусь «Средства электросвязи. Безопасность» (ТР 2018/024/БҮ)



### Products in compliance:

- Lenovo V30a 22IIL
- Lenovo V30a 24IIL
- Lenovo V30a-22IML
- Lenovo V30a-24IML
- Lenovo V50a-22IMB
- Lenovo V50a-24IMB
- Lenovo V540-24IWL AIO
- ThinkCentre M70a
- ThinkCentre M90a
- ThinkCentre M70a Gen 2
- ThinkCentre M90a Gen 2



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## **Appendix A. Trademarks**

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