
ThinkPad Regulatory Notice

Read first — regulatory information

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.

If your computer contains a wireless WAN adapter, be sure to also read *ThinkPad® Regulatory Notice for the Wireless WAN Adapter*, included with your computer.

Notes:

- When you use the ThinkPad X200 Tablet, you cannot use the wireless WAN adapter and the wireless LAN/WiMAX adapter (Model: 533ANXMMW, AR5BHB63-L, 512AN_MMW, 533AN_MMW, or RTL8191SE) simultaneously. If one of the adapters has established the connection to the network, the other will be disconnected automatically. To confirm the status of the network connection, check the power-status indicators of your computer. For more information about the power-status indicators, see “Power-status indicators” in *Access Help*.
- The list of the wireless LAN adapters, which is in “Simultaneous use for RF transmitters” in *ThinkPad Regulatory Notice for the Wireless WAN Adapter*, included with your computer, has been superseded. Replace it with the following:
Wireless LAN/WiMAX adapter (FCC ID: PD9533ANXMU, PPD-AR5BHB63-L, PD9LEN512ANMU, PD9533ANMU, or TX2-RTL8191SE-L)

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.

Si votre ordinateur contient une carte de réseau étendu (WAN) sans fil, veillez à lire également la consigne réglementaire *ThinkPad Regulatory Notice for the Wireless WAN Adapter*, fournie avec votre ordinateur.

Remarque: Lorsque vous utilisez le ThinkPad X200 Tablet, vous ne pouvez pas utiliser simultanément la carte de réseau étendu sans fil et la carte de réseau local sans fil (Modèle: AR5BHB63-L, 512AN_MMW, 533AN_MMW, ou RTL8191SE). Si l'une de ces cartes a établi la connexion avec le réseau, l'autre carte sera automatiquement déconnectée. Pour confirmer l'état de la connexion réseau, contrôlez les voyants d'état d'alimentation. Pour plus d'informations, reportez-vous à la section "Voyants d'état de l'alimentation" dans Access Help.

USA — Federal Communications Commission (FCC)

I. User installable wireless LAN/WiMAX adapter

PCI Express Mini Card:

- FCC ID: TX2-RTL8191SE-L (Model: RTL8191SE)

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

For information concerning the wireless adapters announced after the publication of this notice, visit the Web site at <http://www.lenovo.com/support/site.wss/document.do?sitestyle=lenovo&Indocid=tpad-matrix>

i) FCC RF Exposure compliance: The Auxiliary antenna is used for transmission.

- **For the ThinkPad X200 Tablet:**

The radiated energy from the Auxiliary antenna connected to the Model: RTL8191SE 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.

The transmission antenna for the PCI Express Mini Card is located in the LCD cover. See "Location of the UltraConnect™ wireless antennas" in *Access Help*.

- **For the other ThinkPad Notebooks:**

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 Auxiliary antenna connected to the Model: RTL8191SE and all persons. If the distance may not be maintained while the computer is closed, you must select sleep (standby) as the power mode when closing the display.

The transmission antenna for the PCI Express Mini Card is located in the LCD cover. See “Location of the UltraConnect wireless antennas” in *Access Help*.

ii) FCC ID of the wireless adapter: There is no FCC ID for the PCI Express Mini Card shown on the enclosure of your computer. Instead you will find an indicator pointing to the location of the FCC ID on the bottom side of your computer. For the location of the FCC ID indicator, see “Location of the FCC ID and IC Certification number label” in *Access Help*. The FCC ID is affixed on the approved adapter installed in the PCI Express Mini Card slot. For the location of the slot, see “PCI Express Mini Card slot for wireless LAN/WiMAX” in *Access Help*.

iii) Installation of the approved wireless adapter: If no integrated PCI Express Mini Card has been preinstalled in your computer, you can install one, provided by Lenovo® as an option. Plug the wireless option adapter into the PCI Express Mini Card slot. For the installation procedure, see “Installing and replacing the PCI Express Mini Card for wireless LAN/WiMAX connection” in *Access Help*.

Attention: The computer contains an authentication mechanism. If you install an unauthorized PCI Express Mini Card that is not approved for use in your computer, the computer will not start, but only displays an error message and emits audible beeps.

iv) Radio Frequency interference requirements:

- The devices have been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B. The wireless LAN adapter (Model: RTL8191SE) was subject to DoC. Refer to “Electronic emission notices” on page 6.

II. Simultaneous use of RF transmitters

Your computer is approved for simultaneous use of the transmitters listed below:

- Wireless LAN/WiMAX adapter (FCC ID: PD9533ANXMU, PPD-AR5BHB63-L, PD9LEN512ANMU, PD9533ANMU, or TX2-RTL8191SE-L)
- *Bluetooth* device (FCC ID: QDS-BRCM1033)
- Wireless USB adapter (FCC ID: TZQWQ110HMC)

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

1. When you use the ThinkPad X200 Tablet, you are requested to confirm that any other RF option device conforms to the SAR requirement and is approved to use for your computer.

2. When you use any other RF option device, all other wireless features including the above integrated devices in your computer are required to be turned off.
3. You must follow the RF Safety instructions on wireless option devices that are included in the user manual of the RF option device.

Canada — Industry Canada (IC)

IC Certification number

I) User installable wireless LAN adapter:

- IC: 6317A-RTL8191SE (Model : RTL8191SE)

PCI Express Mini Cards for a wireless LAN 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 the PCI Express Mini Card shown on the enclosure of your computer. Instead you will find an indicator pointing to the location of the IC Certification number on the bottom side of your computer. For the location of the IC Certification number indicator, see “Location of the FCC ID and IC Certification number label” in *Access Help*. The IC certification number is affixed on the approved adapter installed in the PCI Express Mini Card slot. For the location of the slot, see “PCI Express Mini Card slot for wireless LAN/WiMAX” in *Access Help*.

Attention: The computer contains an authentication mechanism. You can install or remove each wireless adapter by yourself. If you install an unauthorized wireless adapter that is not approved for use in the computer, the computer will not start, but only displays an error message and emits audible beeps.

II) WiMAX features and Wireless USB features: The use of the WiMAX features and the Wireless USB features is not permitted in Canada. Do not use these features. To do so would be a violation of Industry Canada regulations.

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

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.

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

IV) 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 www.hc-sc.gc.ca/

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 4.1, or IC RSS-102, Issue 2 clause 4.2.

Numéro d'homologation IC

I) Module sans fil installable par l'utilisateur:

- IC : 6317A-RTL8191SE (Model : RTL8191SE)

Les cartes de réseau local sans fil Express mini-PCI commercialisées aux États-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 ne comporte pas de numéro d'homologation IC (Industry Canada) pour la carte mini-PCI Express; mais sous votre ordinateur, vous trouverez un indicateur pointant vers l'emplacement du numéro d'homologation IC. Pour connaître l'emplacement du numéro d'homologation IC, consultez la section correspondante dans Access Help. Le numéro d'homologation IC est apposé sur le module installé dans le logement pour carte mini-PCI Express. Pour savoir où se trouve cet emplacement, consultez la section "Logement pour cartes mini-PCI Express pour réseau local/WiMAX" dans Access Help.

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.

II) Fonctions WiMAX et fonctions USB sans fil: L'utilisation de fonctions WiMAX et de fonctions USB sans fil n'est pas autorisée au Canada. Veuillez ne pas utiliser ces fonctions car ce serait une infraction aux lois d'Industrie Canada.

III) 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:

1. Cet appareil ne doit pas perturber les communications radio, et
2. 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 à l'ordinateur et ayant un gain maximal de moins de 3 dBi.

IV) 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 www.hc-sc.gc.ca/

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 4.1 du document CNR-102, ou la clause 4.2 du document CNR-102.

Electronic emission notices

Federal Communications Commission (FCC) Statement

- Model: RTL8191SE

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



Tested To Comply
With FCC Standards

FOR HOME OR OFFICE USE

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.

Europe — EU Declaration of Conformity

Products intended for sale within the European Union are marked with the Conformité Européenne (CE) Marking, which indicates compliance with the applicable Directives and European Norms, and amendments, identified below.

For model: RTL8191SE



European Contact for regulatory topics only:

Lenovo, Digital Park, Einsteinova 21, 851 01 Bratislava, Slovakia

Telephone: +421 2 6868 3018

Fax: +421 2 6868 8031

English

Hereby, Lenovo (Singapore) Pte. Ltd., declares that the modem and wireless equipment listed in this section are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

EU Frequency band restriction for a wireless LAN PCI Express Mini Card

- This device is intended for indoor use in the band 2400 to 2483.5 MHz.
- Usage of this device is limited to indoor in the band 5150 to 5350 MHz (channels 36, 40, 44, 48, 52, 56, 60, 64).

Bulgarian

С настоящето Lenovo (Singapore) Pte. Ltd. декларира, че модемът и безжичното оборудване, посочени в този раздел, са в съответствие с основните изисквания и другите уместни условия на Директива 1999/5/EC.

Честотно ограничение за ЕС за безжична LAN Mini PCI Express Card

-Това устройство е предназначено за употреба на закрито в честотния диапазон от 2400 до 2483.5 MHz.

-Употребата на това устройство е ограничена на закрито в диапазона от 5150 до 5350 Mhz (канали 36, 40, 44, 48, 52, 56, 60, 64).

Czech

Lenovo (Singapore) Pte. Ltd. tímto prohlašuje, že modem a bezdrátová zařízení uvedené v této části jsou ve shodě se základními požadavky a dalšími relevantními ustanoveními směrnice 1999/5/EC.

Omezení EU pro frekvenční pásma bezdrátové síťové karty LAN Mini PCI Express

- Zařízení je určeno pro použití ve vnitřních prostorách v pásmu 2400 až 2483,5 MHz.
- Použití zařízení je omezeno na vnitřní prostory a frekvenční pásmo 5150 až 5350 MHz (kanály 36, 40, 44, 48, 52, 56, 60, 64).

Danish

Lenovo (Singapore) Pte. Ltd. erklærer hermed, at modem og trådløst udstyr, der er nævnt i dette afsnit, overholder de væsentlige krav og andre relevante bestemmelser i EU-direktiv 1999/5/EC.

Restriktioner for frekvensbånd i EU for Mini PCI Express-kort til trådløst LAN

- Denne enhed er beregnet til indendørs brug i frekvensbåndet 2400 til 2483,5 MHz.
- Brug af denne enhed er begrænset til indendørs brug i frekvensbåndet 5150 til 5350 MHz (kanal 36, 40, 44, 48, 52, 56, 60, 64).

German

Hiermit erklärt Lenovo (Singapur) Pte. Ltd., dass der Modem und die drahtlosen Geräte, die in diesem Abschnitt aufgeführt sind, die Voraussetzungen und andere relevanten Richtlinien der Direktive 1999/5/EC erfüllen.

EU-Frequenzbandeinschränkung für eine Wireless LAN Mini-PCI-ExpressCard

- Dieses Gerät ist für die Verwendung im Innenbereich im Frequenzband zwischen 2.400 und 2.483,5 MHz konzipiert.
- Dieses Gerät ist im Frequenzband zwischen 5.150 und 5.350 MHz (Kanäle 36, 40, 44, 48, 52, 56, 60, 64) auf die Verwendung im Innenbereich beschränkt.

Estonian

Lenovo (Singapore) Pte. Ltd. kinnitab selles jaotises nimetatud modemi ja traadita side seadmete vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele muudele asjakohastele sätetele.

EL-i sagedusvahemiku piiirang raadiokohtvõrgu mini-PCI-ekspresskaardi kohta

- Seade on ette nähtud kasutamiseks siseruumides sagedusalas 2400–2483,5 MHz.
- Seadet on lubatud kasutada siseruumides sagedusalas 5150–5350 MHz (kanalid 36, 40, 44, 48, 52, 56, 60, 64).

Spanish

En este documento, Lenovo (Singapore) Pte. Ltd., declara que el módem y el equipo inalámbrico que aparecen en esta sección cumplen los requisitos esenciales y otras exigencias relevantes de la Directiva 1999/5/EC.

Restricción de banda de frecuencia de la UE para una Tarjeta Express Mini PCI de LAN inalámbrica

- Este dispositivo está diseñado para ser utilizado en interiores en la banda de 2400 a 2483,5 MHz.
- La utilización de este dispositivo está limitada a interiores en la banda de 5150 a 5350 MHz (canales 36, 40, 44, 48, 52, 56, 60, 64).

Greek

Η Lenovo (Singapore) Pte. Ltd. δηλώνει με την παρούσα ότι το modem και ο εξοπλισμός ασύρματης σύνδεσης που αναφέρονται σε αυτή την ενότητα συμμορφώνονται με τις ουσιώδεις απαιτήσεις και άλλες σχετικές διατάξεις της Οδηγίας 1999/5/EC της Ευρωπαϊκής Ένωσης.

Περιορισμός εύρους συχνοτήτων στην ΕΕ για κάρτα Wireless LAN Mini PCI Express Card

- Η συσκευή αυτή προορίζεται για εσωτερική χρήση στο εύρος συχνοτήτων 2400 - 2483,5 MHz.
- Η χρήση αυτής της συσκευής περιορίζεται σε εσωτερικούς χώρους, στο εύρος συχνοτήτων 5150 - 5350 MHz (κανάλια 36, 40, 44, 48, 52, 56, 60, 64).

French

Par la présente, Lenovo (Singapore) Pte. Ltd. déclare que le modem et le matériel sans fil répertoriés dans cette section sont conformes aux exigences essentielles ainsi qu'aux autres dispositions applicables de la Directive 1999/5/CE.

Restriction liée à la bande de fréquence pour une carte mini-PCI Express pour réseau local sans fil au sein de l'Union Européenne

- Ce périphérique est destiné à être utilisé à l'intérieur, dans la bande de fréquence de 2400 à 2483,5 MHz.
- Ce périphérique doit être utilisé exclusivement à l'intérieur, dans la bande de fréquence de 5150 à 5350 MHz (canaux 36, 40, 44, 48, 52, 56, 60, 64).

Icelandic

Hér með lýsir Lenovo (Singapore) Pte. Ltd. því yfir að móttaldið og þráðlausí búnaðurinn sem getið er í þessum hluta uppfylla allar kröfur og önnur viðkomandi ákvæði tilskipunar 1999/5/EC.

ESB Takmarkanir á tíðnisviði þráðlauss LAN Mini PCI staðarnetkorts

- Þetta tæki er ætlað til notkunar innahúss á tíðnisviðinu 2400 til 2483,5 MHz.
- Notkun þessa tækis er takmörkuð við innanhússnotkun á tíðnisviðinu 5150 til 5350 MHz (rásir 36, 40, 44, 48, 52, 56, 60, 64).

Italian

Hereby, Lenovo (Singapore) Pte. Ltd., dichiara che l'equipaggiamento modem e wireless elencato in questa sezione è conforme ai requisiti essenziali e ad altre disposizioni rilevanti della direttiva 1999/5/EC.

Restrizioni UE sulla banda di frequenza per una scheda wireless LAN Mini PCI Express

- Questo dispositivo è destinato all'utilizzo in ambienti chiusi nella banda di frequenza compresa tra 2400 a 2483.5 MHz.
- L'utilizzo di questo dispositivo è limitato ad ambienti chiusi in banda compresa tra 5150 e 5350 MHz (canali 36, 40, 44, 48, 52, 56, 60, 64).

Latvian

Ar šo uzņēmums Lenovo (Singapūra) Pte. Ltd. paziņo, ka modems un bezvadu aparatūra, kas minēta šajā sadaļā, atbilst Direktīvas 1999/5/EK pamatprasībām un citiem ar to saistītajiem noteikumiem.

ES frekvenču joslas ierobežojums bezvadu LAN Mini PCI Express kartei

- Šī ierīce ir paredzēta izmantošanai iekšējās frekvencēs no 2400 līdz 2483,5 MHz.
- Šī ierīce ir paredzēta izmantošanai iekšējās frekvencēs no 5150 līdz 5350 MHz (kanālos 36, 40, 44, 48, 52, 56, 60, 64).

Lithuanian

Šiuo, „Lenovo (Singapore) Pte. Ltd.“, pareiškia, kad šiame skyriuje nurodytas modemas ir belaidė įranga atitinka svarbiausius 1999/5/EB direktyvos reikalavimus ir kitas susijusias nuostatas.

„Wireless LAN Mini PCI Express Card“ ES dažnių diapazono apribojimas

- Šis prietaisas skirtas naudoti patalpose, nuo 2400 iki 2483,5 MHz dažnių diapazonu.
- Šio prietaiso naudojimas patalpose ribojamas veikiant nuo 5150 iki 5350 MHz dažnių diapazonu (36, 40, 44, 48, 52, 56, 60, 64 kanalai).

Dutch

Hierbij verklaart Lenovo (Singapore) Pte. Ltd., dat de modem en draadloze apparatuur die in dit gedeelte worden genoemd, voldoen aan de essentiële vereisten en andere relevante bepalingen van Directive 1999/5/EC.

EU-bepierking van frequentieband voor een draadloze LAN Mini PCI Express Card

- Dit apparaat is bestemd voor gebruik binnenshuis in de band 2400 tot 2483.5 MHz.
- Gebruik van dit apparaat is beperkt tot binnenshuis gebruik in de band van 5150 tot 5350 MHz (kanalen 36, 40, 44, 48, 52, 56, 60, 64).

Norwegian

Lenovo (Singapore) Pte. Ltd. erklærer herved at modemmet og det trådløse utstyret er i samsvar med de viktigste kravene og andre relevante bestemmelser i EU-direktiv 1999/5/EØF.

Begrensinger for frekvensbånd i EU for et PCI Express Mini-kort for trådløst lokalnett (LAN)

- Denne enheten er beregnet på innendørs bruk i frekvensbåndet 2400 til 2483,5 MHz.
- Denne enheten er begrenset til innendørs bruk i frekvensbåndet 5150 til 5350 MHz (kanal 36, 40, 44, 48, 52, 56, 60, 64).

Hungarian

A Lenovo (Szingapúr) Pte. Ltd. ezúton is kijelenti, hogy a modem és az itt feltüntetett rádiós eszköz megfelel az 1999/5/EC direktívában megfogalmazott alapvető követelményeknek és vonatkozó ajánlásoknak.

EU frekvencia-sáv korlátozás a vezeték nélküli LAN Mini PCI Express kártyához

- Az eszköz beltéri használatra készült a 2400 - 2483,5 MHz tartományban.
- Az eszköz beltéri használatra korlátozódik az 5150 - 5350 Mhz tartományban (36, 40, 44, 48, 52, 56, 60, 64 csatornák).

Polish

Lenovo (Singapore) Pte. Ltd. deklaruje niniejszym, że modem i urządzenia bezprzewodowe wymienione w tej sekcji są zgodne z zasadniczymi wymaganiami i postanowieniami dyrektywy 1999/5/EC.

Ograniczenia dotyczące pasm częstotliwości w UE dla karty Mini-PCI Express bezprzewodowej sieci LAN:

- Urządzenie jest przeznaczone do używania wewnątrz budynków, w pasmach 2400 do 2483,5 MHz.
- Urządzenie jest przeznaczone do używania wewnątrz budynków, w pasmach częstotliwości 5150 do 5350 MHz (kanały 36, 40, 44, 48, 52, 56, 60 i 64).

Portuguese

A Lenovo (Singapore) Pte. Ltd., declara por este meio que o modem e o equipamento sem fios listado nesta secção se encontram em conformidade com os requisitos essenciais e com outras provisões relevantes da Directiva 1999/5/EC.

Restrição de frequência de bandas da UE para placas Mini PCI Express Card de rede local sem fios

- Este dispositivo destina-se a ser utilizado no interior, na banda 2400 a 2483,5 MHz.
- A utilização deste dispositivo está limitada a utilização no interior, na banda 5150 a 5350 MHz (canais 36, 40, 44, 48, 52, 56, 60, 64).

Romanian

Prin aceasta, Lenovo (Singapore) Pte. Ltd., declară că modemul și echipamentul wireless prezentate în această secțiune respectă cerințele esențiale și celelalte prevederi pertinente ale Directivei 1999/5/EC.

Restricțiile UE privind banda de frecvență pentru un dispozitiv wireless LAN Mini PCI Express Card

- Acest dispozitiv este destinat utilizării în spații interioare, în banda 2400-2483,5 Mhz.
- Utilizarea acestui dispozitiv este limitată la spațiile interioare, în banda 5150-5350 Mhz (canalele 36, 40, 44, 48, 52, 56, 60, 64).

Slovenian

S tem Lenovo (Singapore) Pte. Ltd., izjavlja, da modem in brezžična oprema, opisana v tem razdelku, ustrežata bistvenim zahtevam in drugim določbam smernice 1999/5/EC.

Pasovna omejitve frekvence v EU za brezžično kartico LAN Mini PCI Express Card

- Ta naprava je namenjena za hišno uporabo v pasu od 2400 do 2483.5 MHz.
- Ta naprava je omejena na hišno uporabo v pasu od 5150 do 5350 MHz (kanali 36, 40, 44, 48, 52, 56, 60, 64).

Slovakian

Týmto spoločnosť Lenovo (Singapore) Pte. Ltd. prehlasuje, že modem a bezdrôtové zariadenia uvedené v tejto časti sú v súlade s nevyhnutnými kritériami a inými príslušnými požiadavkami Smernice 1999/5/EC.

Obmedzenie frekvenčného pásma pre bezdrôtové adaptéry Wireless LAN Mini PCI Express Card v rámci EÚ

- Toto zariadenie je určené na použitie v interiéroch v pásme 2 400 až 2 483,5 MHz.
- Použitie tohto zariadenia je obmedzené na použitie v interiéroch v pásme 5 150 až 5 350 MHz (kanály 36, 40, 44, 48, 52, 56, 60, 64).

Finnish

Lenovo (Singapore) Pte. Ltd. ilmoittaa täten, että tässä jaksossa mainittu modeemi ja langaton laitteisto ovat direktiivin 1999/5/EY pakollisten vaatimusten ja direktiivin muiden asiaankuuluvien määräysten mukaiset.

Taajuusalueita koskeva Euroopan unionin asettama rajoitus Wireless LAN Mini PCI Express -kortille

- Tämä laite on tarkoitettu käytettäväksi sisätiloissa taajuusalueella 2400 - 2483,5 MHz.
- Tämä laite on tarkoitettu käytettäväksi sisätiloissa taajuusalueella 5150 - 5320 MHz (kanavat 36, 40, 44, 48, 52, 56, 60 ja 64).

Swedish

Härmed intygar Lenovo (Singapore) Pte. Ltd att det modem och den trådlösa utrustning som anges i detta avsnitt överensstämmer med väsentliga krav och andra relevanta bestämmelser i direktiv 1999/5/EG.

Frekvensområdesbegränsning inom EU för ett PCI Express-minikort för trådlöst LAN

- Enheten är avsedd för inomhusbruk i frekvensområdet 2400 till 2483,5 Mhz.
- Enheten får bara användas inomhus i frekvensområdet 5150 - 5350 MHz (kanal 36, 40, 44, 48, 52, 56, 60 och 64).

For model: RTL8191SE

R&TTE Directive Declaration of Conformity

Date: January 22, 2009

We,

Realtek Semiconductor Corp.

Hereby, declare that our product with detail below has fully fulfilled the requirement of European R&TTE directive 1999/5/EC. This device will be sold in the following countries:

Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, Netherlands, Austria, Portugal, Finland, Sweden, UK, Switzerland, Norway, Iceland, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Slovakia, Poland, Slovenia, Bulgaria, Romania.

Product Name: 802.11b/g/n RTL8191SE miniCard

Brand Name: Realtek

Model / Type Name: RTL8191SE

The following European standards for essential requirements have been followed:

Spectrum : EN 300 328 V1.7.1 (2006-10)

EMC : EN 301 489-1 V.1.6.1 (2005-09)/ EN 301 489-17 V.1.2.1 (2002-08)

Safety (LVD) : IEC 60950-1: 2001/ EN 60950-1: 2001+ A11: 2004

Safety (EMF) : EN 62311: 2008

COUNCIL RECOMMENDATION Directive 1999/519/EC.

Furthermore, the in-process quality control procedure as well as the manufacturing process has fulfilled the requirement defined in ISO.

The technical document as well as the test reports will be kept for a period of at least 10 years after the last product has been manufactured at the disposal of the relevant national authorities of any Member State for inspection. Detail contact information for this declaration has been listed below as the window of any issues relevant for this product.

Manufacturer Contact

Signature : 

Company : Realtek Semiconductor Corp.

Name/Title : Kay Chang/ Project Manager

Address : No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan

Tel. No. : +886-3-5780211

Fax No. : +886-3-5776598

E-Mail : kaychang@realtek.com.tw

Notice for users in Croatia

For model: RTL8191SE



REPUBLIKA HRVATSKA
HRVATSKA AGENCIJA ZA
POŠTU I ELEKTRONIČKE KOMUNIKACIJE

Jurišićeva 13, p.p. 162, 10 000 ZAGREB, MB: 01865862
Tel: (01) 4896 000, (01) 4673 579, Fax: (01) 4920 227, web: www.telekom.hr

Klasa: UPI/344-01/09-01/1171
Ur. broj: 378-10/MS-09-2

POTVRDA O SUKLADNOSTI

CERTIFICATE OF CONFORMITY

Broj: **0295/09**
No.:

Podnositelj zahtjeva: **SENSO MIKRO d.o.o.**
Applicant: **Avenija Dubrovnik 46, 10000 Zagreb**

Vrsta opreme: **IEEE 802.11 b/g/n mini kartica**
Equipment category: **IEEE 802.11b/g/n miniCard**

Tipička oznaka opreme: **RTL8191SE**
Equipment type designation:

Proizvođač opreme: **Realtek Semiconductor Corp.**
Equipment manufacturer: **No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan**

Dostavljena dokumentacija:
Submitted documentation:

Norme Standards	Ispitni izvještaji ili certifikati Test reports or Certificates	Ispitni laboratorij Test laboratory
EN 301 489-1 v1.6.1:2006; EN 301 489-17 v1.2.1:2002;	EH8D2518;	SPORTON International Inc.;
ETSI EN 300 328 v1.7.1:2006;	ER8D2518;	

Nakon što je razmotrena gore navedena dostavljena dokumentacija, utvrđeno je da je sukladnost gore navedene opreme s bitnim zahtjevima iz članka 4. Pravilnika o radijskoj opremi i telekomunikacijskoj opremi (NN 112/08) pravilno dokazana. Punu odgovornost za gore navedenu dostavljenu dokumentaciju preuzima podnositelj zahtjeva.
Having considered above mentioned submitted documentation, it is determined that conformity of the above mentioned equipment with essential requirements of Article 4. of Ordinance on radio equipment and telecommunications terminal equipment (OG 112/08) has been properly demonstrated. Full responsibility for above mentioned submitted documentation takes an applicant.

Zagreb, 21.04.2009.

Mjesto i Datum
Place and Date



Notice for users in Morocco

For model: RTL8191SE

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 et 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 (40MHz of channel bandwidth) is not allowed at the 2.4GHz frequency band.

Notice for users in Pakistan

For model: RTL8191SE

Pakistan Telecommunication Authority (PTA) approved

Notice for users in the UAE

For model: RTL8191SE

Telecommunications Regulatory Authority (TRA) approved

Notice for users in Saudi Arabia

For model: RTL8191SE

No. : الرقم
Date : التاريخ
Attached: المرفقات

هيئة الاتصالات وتقنية المعلومات
Communications and Information Technology Commission
الشنون الفنية



السادة شركة Intercom Consultant

بعد التحية

إشارة إلى بريدكم الإلكتروني ذي التاريخ ٢٠٠٩/٠١/٢٤ بخصوص طلب الموافقة على استيراد الجهاز 802.11b/g/n MiniCard من الموديل RTL8191SE من شركة Realtek.

أود الإفادة أنه لا مانع لدينا من الموافقة على استيراد الجهاز من الموديل المشار إليه أعلاه لمدة سنة من تاريخ خطابنا هذا، ويجب التقدم إلى الهيئة بطلب تجديد استيراد الجهاز بعد انتهاء مدة سريان هذه الموافقة في حال رغبة الشركة بذلك، شريطة الالتزام بضوابط استخدام الشبكات المحلية (WLAN / WiFi) المشورة على موقع الهيئة الإلكتروني.

علماً بأن هذه الوثيقة لا تعتبر اعتماداً لنوعية الأجهزة المشار إليها أعلاه ولا موافقة على فسحها، بل هي موافقة مبدئية على استيراد الأجهزة. كما أن هذه الموافقة قد صدرت عن الهيئة بناءً على المعلومات المتاحة لها والتي وفرتها الجهة المستوردة عن الأجهزة المطلوب استيرادها وقت صدور هذه الموافقة، ولا يجوز استخدام أو حيازة الأجهزة أو المتاجرة بها بصورة تخالف أحكام وأنظمة هيئة الاتصالات وتقنية المعلومات والأنظمة الأخرى ذات العلاقة المعمول بها في المملكة، وتتحمل الجهة المستوردة وحدها المسؤولية عن أية أضرار أو خسائر أو إصابات قد تنشأ عن حيازة أو استخدام هذه الأجهزة أو المتاجرة بها. ويجب التقدم إلى الهيئة من قبل المستورد بطلب لفسح الأجهزة وقت وصولها إلى أحد المنافذ الجمركية.

وتقبلوا تحياتي

مدير عام المعايير الفنية والترقيم

المهندس/عبدالله بن عبدالرحمن المبدل

Notice for users in Brazil

For model: RTL8191SE



(01) 07898915959925

Portuguese	Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário
English	This equipment is a secondary type device, that is, it is not protected against harmful interference, even if the interference is caused by a device of the same type, and it also cannot cause any interference to primary type devices.

Notice for users in India

For model: RTL8191SE

ETA-043/2009-R

Notice for users in Korea

For modem and system:

Note that this device has been certified for residential use and may be used in any environment.

이 기기는 가정용으로 전자파적합등록을 한 기기로서 주거 지역에서는 물론 모든 지역에서 사용할 수 있습니다.

For model: RTL8191SE

Note that this device has been certified for residential use and may be used in any environment.

당해 무선설비는 운용중 전파혼신 가능성이 있음.

(It means that this wireless device may cause radio wave interference during operation)

Notice for users in Malaysia

For model: RTL8191SE

Complies with SIRIM

Registration number: SQASI/NA/09/0559

Notice for users in the Philippines

For model: RTL8191SE



Type Accepted
ESD-0904015C

Notice for users in Singapore

For model: RTL8191SE



OPERATING CONDITIONS UNDER WHICH THE RADIOCOMMUNICATION EQUIPMENT ARE EXEMPTED FROM LICENSING

To maximize frequency sharing while minimizing radio interference, the following operating conditions are imposed to confine the propagation of radio signals within a building or at a localised site:

- a) The radiocommunication equipment shall be used for in-building or localised on-site operations;
- b) The radiocommunication equipment shall operate at frequencies or frequency bands designated by IDA on non-exclusive basis;
- c) The radiocommunication equipment shall not operate beyond the maximum permissible output power designated by IDA to confine the propagation of radio signals to a small localised area;
- d) For an on-site localised operation with little obstruction by the nearby buildings or terrain, height of any external antenna, if installation approved by IDA, shall not be more than 10 metres above ground level to limit the radio wave propagation; and
- e) No repeater station shall be used to extend the radio coverage.

Notice for users in Taiwan

For model: RTL8191SE

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，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。

第十四條 低功率射頻電機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。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機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。

Notice for users in Thailand

For model: RTL8191SE for the ThinkPad X200 Tablet

This wireless communication equipment has the specific absorption rate (SAR) of 0.117 W/kg or below as related to the equipment, which is in compliance with the Safety Standard for the Use of Wireless Communication Devices on Human Health announced by the National Telecommunications Commission.

For model: RTL8191SE for the other ThinkPad Notebooks

This wireless communication equipment has the electromagnetic field strength in compliance with the Safety Standard for the Use of Wireless Communication Devices on Human Health announced by the National Telecommunications Commission.

Notice for users in Japan

ThinkPadの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取得している下記の機器です。

無線 LAN アダプターの場合

認証製品名: RTL8191SE
認証申請者名: Realtek Semiconductor Corp.
認証番号: 204FW20901100

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。

(2.4 GHz 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: 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/support/contact/>)

無線 LAN アダプター (IEEE802.11b/g 準拠) の場合

 この機器が、2.4GHz 周波数帯 (2400 から 2483.5MHz) 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 40m (定格出力 10mW/MHz) であることを意味しています。

以上の内容は、「社団法人 電波産業会」ARIB STD-T66の主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)
 - コンピュータウィ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。

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ThinkPad®
UltraConnect

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

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