



Mobile Communications Division

Compliance Notices
Source Document for OEMs
Calexico

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Revision History

Date	Changes
09/25/02	Created document
10/03/02	Corrected errors in document, added 3 additional Mini PCI models, genericized product references to refer to "LAN Mini PCI Adapters"
10/08/02	Added Annex II under 1999/5/EC for 2.4 GHz products (PS)
12/18/02	Added "Information for the OEM" page 1 and additional text for OEM integrators page 4 (TL)
12/20/02	Added End Product Label: FCC ID "XXXXXXXX" info.

Intel(R) PRO/Wireless LAN 7100 and 2100 Mini PCI Adapters Safety and Regulatory Notices

**This device is intended for OEM integrators only.
This device cannot be co-located with any other transmitter.**

Information for the OEM Integrators:

Please refer to the full Grant of equipment document for other restrictions.

Note: The following regulatory and safety notices must be published in compliance with local regulations.

This information applies to the following products:

Intel(R) PRO/Wireless LAN 7100 3B Mini PCI Adapter (model WM3B7100; dual 802.11a and 802.11b)
Intel(R) PRO/Wireless LAN 7100 3A Mini PCI Adapter (model WM3A7100; dual 802.11a and 802.11b)
Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter (model WM3B2100; 802.11b only)
Intel(R) PRO/Wireless LAN 2100 3A Mini PCI Adapter (model WM3A2100; 802.11b only)

Local Restriction of 802.11a and 802.11b Radio Usage

The following statement on local restrictions must be published as part of the compliance documentation for all 802.11a and 802.11b products.

Caution: Due to the fact that the frequencies used by 802.11a and 802.11b wireless LAN devices may not yet be harmonized in all countries, 802.11a and 802.11b products are designed for use only in specific countries, and are not allowed to be operated in countries other than those of designated use. As a user of these products, you are responsible for ensuring that the products are used only in the countries for which they were intended and for verifying that they are configured with the correct selection of frequency and channel for the country of use. Any deviation from permissible settings and restrictions in the country of use could be an infringement of national law and may be punished as such.

USA and Canada Safety Requirements and Notices

The FCC with its action in ET Docket 96-8 has adopted a safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC certified equipment. The Intel PRO/Wireless LAN Mini PCI Adapter products meet the Human Exposure limits found in OET Bulletin 65, 2001, and ANSI/IEEE C95.1, 1992. Proper operation of this radio according to the instructions found in this manual will result in exposure substantially below the FCC's recommended limits.

The following safety precautions should be observed:

- Do not touch or move antenna while the unit is transmitting or receiving.
- Do not hold any component containing the radio such that the antenna is very close or touching any exposed parts of the body, especially the face or eyes, while transmitting.
- Do not operate the radio or attempt to transmit data unless the antenna is connected; if not, the radio may be damaged.
- Use in specific environments:
 - The use of wireless devices in hazardous locations is limited by the constraints posed by the safety directors of such environments.
 - The use of wireless devices on airplanes is governed by the Federal Aviation Administration (FAA).
 - The use of wireless devices in hospitals is restricted to the limits set forth by each hospital.
- Antenna use:
 - In order to comply with FCC RF exposure limits, low gain integrated antennas should be located at a minimum distance of 20 cm (8 inches) or more from the body of all persons.
 - High-gain, wall-mount, or mast-mount antennas are designed to be professionally installed and should be located at a minimum distance of 30 cm (12 inches) or more from the body of all persons. Please contact your professional installer, VAR, or antenna manufacturer for proper installation requirements.

Warning: Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.

Warning: To comply with the FCC and ANSI C95.1 RF exposure limits, it is recommended for Intel(R) PRO/Wireless LAN Mini PCI Adapters installed in a desktop or portable computer, that the antenna for this device be installed so as to provide a separation distance of at least 20 cm (8 inches) from all persons and that the antenna must not be co-located or operating in conjunction with any other antenna or radio transmitter. It is recommended that the user limit exposure time if the antenna is positioned closer than 20 cm (8 inches).

Use On Aircraft Caution

Caution: Regulations of the FCC and FAA prohibit airborne operation of radio-frequency wireless devices because their signals could interfere with critical aircraft instruments.

Safety Notices for Other Devices in the Wireless Network: Refer to the documentation supplied with wireless Ethernet adapters or other devices in the wireless network.

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users. For laptop installations, the antenna must be installed to ensure that the proper spacing is maintained in the event the users places the device in their lap during use (i.e. positioning of antennas must be placed in the upper portion of the LCD panel only to ensure 20 cm will be maintained if the user places the device in their lap for use) and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as the 2 conditions above are met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users (for example access points, routers, wireless ASDL modems, certain laptop configurations, and similar equipment). The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: XXXXXXXXXXXXXXXX," where XXXXXXXXXXXXXXXX is replaced by the FCC ID on the module being integrated.

RF Exposure Manual Information That Must be Included

The users manual for end users must include the following information in a prominent location "IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

Additional Information That Must be Provided to OEM Integrators

The end user should NOT be provided any instructions on how to remove or install the device.

***USA Radio Frequency Interference Requirements
FCC Regulations Part 15 Declaration of Conformity (DoC)***

Intel Corporation declares that the equipment described in this document is within the requirements of the Code of Federal Regulations listed below:

Title 47 Part 15, Subpart B, Class B for a digital device.

This declaration is based upon the compliance of the Intel(R) PRO/Wireless LAN Mini PCI Adapters to the above standards. Intel has determined that the models listed have been shown to comply with the applicable technical standards if no unauthorized change is made in the equipment and if the equipment is properly maintained and operated.

These units are identical to the units tested and found acceptable with the applicable standards. Records maintained by Intel continue to reflect that units being produced under this Declaration of Conformity, within the variation that can be expected due to quantity production and tested on a statistical basis, continue to comply with the applicable technical standards.

FCC Rules and Regulations - Part 15

This device uses, generates and radiates radio frequency energy. The radio frequency energy produced by this device is well below the maximum exposure allowed by the Federal Communications Commission (FCC).

This device complies with the limits for a Class B digital device pursuant to Part 15 subpart C of the FCC Rules and Regulations. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

The FCC limits are designed to provide reasonable protection against harmful interference when the equipment is installed and used in accordance with the instruction manual and operated in a commercial environment. However, there is no guarantee that interference will not occur in a particular commercial installation, or if operated in a residential area.

If harmful interference with radio or television reception occurs when the device is turned on, the user must correct the situation at the user's own expense. The user is encouraged to try one or more of the following corrective measures:

- Re-orient 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 on which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: The Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Intel could void the user's authority to operate this device.

European Union CE Marking and Compliance Notices

Products intended for sale within the European Union are marked with the Conformité Européene (CE) Marking, which indicates compliance with the applicable Directives identified below. This equipment also carries the Class 2 identifier.



with the Conformité Européene (CE) and European standards and amendments



Product Descriptions:

Intel(R) PRO/Wireless LAN 7100 3B Mini PCI Adapter (model WM3B7100)

Intel(R) PRO/Wireless LAN 7100 3A Mini PCI Adapter (model WM3A7100)

Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter (model WM3B2100)

Intel(R) PRO/Wireless LAN 2100 3A Mini PCI Adapter (model WM3A2100)

Intel Corporation declares that the equipment described in this document is in conformance with the essential requirements of the European Council Directives, standards, and other normative documents listed below:

73/23/EEC Safety of the User (article 3.1.a)

89/336/EEC Electromagnetic Compatibility (article 3.1.b)

1999/5/EC (R&TTE) Radio and Telecommunications Terminal Equipment Directive (Following annex II of this Directive for models WM3A2100 and WM3B2100 and annex IV for models WM3A7100 and WM3B7100)

EN 60950 1992 2nd Edition (A1 – A4, A11) Safety of Information Technology Equipment, Including Electrical Business Equipment
EN 300 328-1 V1.3.1 (2001-12); EN 300328-2 V1.2.1 (2001-12) Electromagnetic compatibility and Radio spectrum Matters (ERM);
Wideband Transmission system; data transmission equipment operating in the 2.4GHz ISM band and using spread spectrum modulation techniques; Part 1: Technical characteristics and test conditions; Part 2; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 301 489-1, Aug. 2000; EN 301489-17, Sept. 2000 – Electromagnetic compatibility and radio spectrum matters (ERM);
electromagnetic compatibility (EMC) standard for radio equipment and services: Part 1: Common technical requirements; Part 17:
Specific conditions for Wideband Data and Hiperlan equipment

Draft EN 301 893 v1.2.1, (2002-07) – Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of Article 3.2 of the R&TTE Directive.

Warning: See table of allowable 802.11a frequencies and list of 802.11b restrictions for specific countries under the heading “European Economic Area Restrictions” below.

English

This product follows the provisions of the European Directive 1999/5/EC.

Danish

Dette produkt er i overensstemmelse med det europæiske direktiv 1999/5/EC

Dutch

Dit product is in navolging van de bepalingen van Europees Directief 1999/5/EC.

Finnish

Tämä tuote noudattaa EU-direktiivin 1999/5/EC määräyksiä.

French

Ce produit est conforme aux exigences de la Directive Européenne 1999/5/EC.

German

Dieses Produkt entspricht den Bestimmungen der Europäischen Richtlinie 1999/5/EC.

Greek

Το προϊόν αυτό πληροί τις προβλέψεις της Ευρωπαϊκής Οδηγίας 1999/5/EC.

Icelandic

Þessi vara stenst reglugerð Evrópska Efnahags Bandalagsins númer 1999/5/EC.

Italian

Questo prodotto è conforme alla Direttiva Europea 1999/5/EC.

Norwegian

Dette produktet er i henhold til bestemmelsene i det europeiske direktivet 1999/5/EC.

Portuguese

Este produto cumpre com as normas da Diretiva Europeia 1999/5/EC.

Spanish

Este producto cumple con las normas del Directivo Europeo 1999/5/EC.

Swedish

Denna produkt har tillverkats i enlighet med EG-direktiv 1999/ 5/EC.

European Economic Area Restrictions
Local Restriction of 802.11a and 802.11b Radio Usage

Caution: Due to the fact that the frequencies used by 802.11a and 802.11b wireless LAN devices may not yet be harmonized within the European community, 802.11a and 802.11b products are designed for use only in specific countries, and are not allowed to be operated in countries other than those of designated use. As a user of these products, you are responsible for ensuring that the products are used only in the countries for which they were intended and for verifying that they are configured with the correct selection of frequency and channel for the country of use. Any deviation from the country settings and restrictions shown below is an infringement of national law and may be punished as such.

The European variant is intended for use throughout the European Economic Area. However, authorization for use is restricted as follows:

Intel(R) PRO/Wireless LAN Mini PCI Adapters support passive scanning for selection of channels. This means that the adapter obtains its channel settings from the access point to which it is connected. These values cannot be set on the adapter itself. In order to comply with local regulations, adapters must only be used with access points configured for the legal channels in the country of use.

Intel(R) PRO/Wireless LAN Mini PCI Adapters support Dynamic Frequency Selection (DFS) on access points in the 5 GHz frequencies. This feature is designed to prevent use of channels on which radar transmissions are detected. In accordance with local laws, wireless LAN signals may not interfere with radar signals. The DFS feature is under the control of the access point. In order to comply with local regulations, adapters must only be used with access points that have the DFS feature switched on.

The frequencies listed in the table below are permissible on systems that support DFS and have the DFS feature switched on.

802.11a Permissible Frequencies under DFS

Country	Permissible frequencies
Belgium	5.15 – 5.35 GHz
Denmark	5.15 – 5.35; 5.47 – 5.725 GHz
France	5.15 – 5.35
Iceland	5.15 – 5.35; 5.47 – 5.725 GHz
Ireland	5.15 – 5.35 GHz
Italy	5.15 – 5.35; 5.47 – 5.725 GHz
Netherlands	5.15 – 5.35; 5.47 – 5.725 GHz
Norway	5.15 – 5.35; 5.47 – 5.725 GHz
Sweden	5.15 – 5.35; 5.47 – 5.725 GHz
United Kingdom	5.15 – 5.35; 5.47 – 5.725 GHz

802.11b Restrictions

- European standards dictate maximum radiated transmit power of 100mW EIRP and frequency range 2.400 – 2.4835 GHz.
- In France, the equipment must be restricted to the 2.4465 – 2.4835 GHz frequency range and must be restricted to indoor use.

Americas

Argentina

TBD

Brazil

TBD

Canada

Canada Radio Frequency Interference Requirements

This Class B digital apparatus complies with Canadian ICES-003, Issue 2, and RSS-210, Issue 4 (Dec. 2000).

“To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.”

Cet appareil numérique de la classe B est conforme à la norme NMB-003, No. 2, et CNR-210, No. 4 (Dec. 2000).

« Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence. »

Chile

TBD

Colombia

TBD

Ecuador

TBD

Mexico

TBD

Peru

TBD

Venezuela

TBD

Asia Pacific

Australia

TBD

China

TBD

Hong Kong

TBD

India

TBD

Indonesia

TBD

Japan

TBD

Korea

TBD

Malaysia

TBD

New Zealand

TBD

Philippines

TBD

Singapore

TBD

Sri Lanka

TBD

Thailand

TBD

Vietnam

TBD

Europe, Middle East, and Africa

[for CE and R&TTE countries see beginning of document]

Bulgaria

TBD

Czech Republic

TBD

Egypt

TBD

Hungary

TBD

Israel

TBD

Kuwait

TBD

Oman

TBD

Poland

TBD

Russia

TBD

Saudi Arabia

TBD

Slovenia

TBD

South Africa

TBD

Turkey

TBD

United Arab Emirates

TBD

Ukraine

TBD

Other Countries

Croatia

TBD

Estonia

TBD

Bahrain

TBD

Jordan

TBD

Latvia

TBD

Lithuania

TBD

Morocco

TBD

Qatar

TBD

Belarus

TBD

Slovak Republic

TBD

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