



## Intel® NUC 13 Compute Element

- Safety and Caution Information
- Regulatory Compliance

ELM13IBIP08W

ELM13IBI308W

ELM13IBI316W

ELM13IBV508W

ELM13IBV516W

ELM13IBI508W

ELM13IBI516W

ELM13IBI716W

ELM13IBI732W

ELM13IBV716W

ELM13IBV732W

ELM13IBIP08WE

ELM13IBI316WE

ELM13IBI516WE

ELM13IBV732WE

Regulatory Model: ELM13IB



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 **Temperature:** Avoid using or storing next to heat sources or in direct sunlight.

 **Medical:** This device may interfere with the operation of some pacemakers, hearing aids or other medical devices. To reduce risk, maintain a separation distance of 20 cm (8 inches) between the device and the medical device. Refer to the medical device for additional information.

 **Modify:** Modification of the wireless solution, thermal solution, device components, the Mylar or the integrated heat spreader shall violate the regulatory compliance requirements and may induce safety hazards.

 **Температура:** Избягвайте да използвате или съхранявате в близост до източници на топлина или на пряка слънчева светлина.

 **Медицинска информация:** Това устройство може да наруши работата на някои пейсмейкъри, слухови апарати или други медицински устройства. За да се намали рискът, поддържайте отстояние от 20 см (8 инча) между устройството и медицинското устройство. Вижте медицинското устройство за допълнителна информация.

 **Извършване на промени:** Извършването на промени на безжичното решение, температурното решение, компонентите на устройството, Майлар или интегрираното разпределение на топлината може да наруши изискванията за съответствие с нормативните документи и може да доведе до рискове по отношение на безопасността.

 **温度：** 避免靠近热源或在阳光直接照射下使用或存储。

 **医疗设备：** 此设备可能会对某些起搏器，助听器或其他医疗设备的操作造成干扰。为降低此风险，请在此设备和医疗设备之间保持 20 厘米（8 英寸）的间隔距离。请参阅医疗设备的说明以了解更多信息。

 **修改：** 对无线解决方案、散热方案、设备组件、聚酯薄膜层或一体式散热器进行修改将违反合规要求，并导致安全隐患。

 **溫度：** 請避免在熱源旁邊或陽光直射的地方使用或儲存此裝置。

 **醫療：** 本裝置可能會干擾某些心律調節器、助聽器或其他醫療裝置的作業。為了降低風險，在本裝置與醫療裝置之間，請保持至少 20 公分 (8 英吋) 的距離。如需更多資訊，請參閱醫療裝置的說明。

 **修改：** 修改無線通訊解決方案、散熱解決方案、裝置元件、Mylar 或整合式均熱片，會違反法規要求，且可能會導致安全危害。

 **Temperatura:** izbjegavajte upotrebu ili pohranu u blizini izvora topline ili na mjestu izloženom izravnom sunčevom zračenju.

 **Medicinska oprema:** Ovaj uređaj može ometati rad nekih srčanih simulatora, slušnih pomagala ili ostalih medicinskih uređaja. Rizik se smanjuje ako održavate udaljenost od najmanje 20 cm (8 inča) između uređaja i medicinskog uređaja. Proučite medicinske uređaje za više informacija.

 **Izmjene:** izmjene bežičnog sustava, toplinske zaštite, komponenti uređaja, pokrova od mylara ili integriranog odvodnika topline nisu u skladu sa zahtjevima sukladnosti s propisima i mogu predstavljati sigurnosni rizik.

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**Temperatuur:** vältige het gebruik of de opslag nabij warmtebronnen of in direct zonlicht.



**Medisch:** dit apparaat kan interfereren met de werking van sommige pacemakers, hoorapparaten of andere medische apparaten. Bewaar altijd een afstand van 20 cm tussen het apparaat en medische apparaten om risico's te vermijden. Raadpleeg de documentatie bij het medische apparaat voor meer informatie.



**Aanpassingen:** aanpassingen aan de draadloze oplossing, de thermische oplossing, de componenten van het device, het hittebestendige folie of de geïntegreerde warmteverspreider leiden tot schending van de wettelijke conformiteitseisen en kunnen gevaar veroorzaken.



**Temperatuur:** vältige kasutamist või hoistamist küttekeha läheduses või otsese päikesevalguse käes.



**Meditsiiniline:** see seade võib häirida teatud südamestimulaatorite, kuuldeaparaatide või meditsiiniseadmete tööd. Ohu vähendamiseks jätke seadme ja meditsiiniseadme vahekauguseks 20 cm (8 tolli). Lisateavet leiate meditsiiniseadmelt.



**Muudatused:** võimalik, et traadita lahenduse, soojustuse lahenduse, seadme komponentide, Mylari või integreeritud soojuslaoturi muutmine rikub vastavusnõudeid ja põhjustab ohtu turvalisusele.

-  **Lämpötila:** Ei saa käyttää tai säilyttää lämmönlähteiden vieressä tai suorassa auringonvalossa.
-  **Lääketieteellinen huomautus:** Tämä laite voi aiheuttaa häiriöitä joidenkin sydämentahdistimien, kuulolaitteiden tai muiden lääketieteellisten laitteiden toimintaan. Voit vähentää vaaraa pitämällä laitteen vähintään 20 cm:n (8 tuuman) etäisyydellä lääketieteellisistä laitteista. Katso lisätietoja lääketieteellisen laitteen ohjeista.
-  **Muuttaminen:** Langattoman ratkaisun, lämpöteknisen ratkaisun, laitteen osien, Mylar-kalvon tai integroidun lämpösuojaajan muuttaminen loukkaa yhteensopivuusmääräyksiä ja saa aikaan turvallisuusvaaroja.
-  **Température :** évitez d'utiliser ou d'entreposer cet équipement à côté d'une source de chaleur ou à la lumière directe du soleil.
-  **Appareils médicaux :** il est possible que cet appareil affecte le fonctionnement de certains stimulateurs cardiaques, appareils auditifs ou autres instruments médicaux. Pour réduire les risques, maintenez une distance de séparation de 20 cm (8 pouces) entre l'appareil et tout appareil médical. Reportez-vous à la documentation de l'instrument médical pour davantage d'informations.
-  **Modification :** toute modification de la solution sans fil, de la solution thermique, des composants de l'appareil, de la protection Mylar ou du dissipateur thermique constitue une violation des exigences de conformité à la réglementation et peut présenter des risques d'accident.

 **Température** : Évitez d'utiliser ou d'entreposer à proximité de sources de chaleur ou à la lumière directe du soleil.

 **Appareils médicaux** : il est possible que cet appareil affecte le fonctionnement de certains stimulateurs cardiaques, appareils auditifs ou autres instruments médicaux. Pour réduire les risques, maintenez une distance de séparation de 20 cm (8 pouces) entre l'appareil et tout appareil médical. Reportez-vous à la documentation de l'instrument médical pour davantage d'informations.

 **Modification** : Toute modification apportée à la solution sans fil, à la solution thermique, aux composants de l'appareil, à l'étui en mylar ou à l'écran thermique intégré constitue une infraction à la conformité réglementaire et pourrait entraîner des risques de sécurité.

 **Temperatur**: Niemals Wärmequellen oder direkter Sonneneinstrahlung aussetzen.

 **Medizinisch**: Das Gerät kann Interferenzen im Betrieb von bestimmten Herzschrittmachern, Hörgeräten oder anderen medizinischen Geräten verursachen. Zur Risikominderung sollte ein Abstand von 20 cm zwischen dem Gerät und dem medizinischen Gerät eingehalten werden. Weitere Informationen können Sie den Anleitungen zum medizinischen Gerät entnehmen.

 **Änderungen**: Eine Änderung der Wireless-Lösung, der Wärmelösung, der Gerätekomponenten, der Mylar-Folie oder dem integrierten Wärmeverteiler verstößt gegen die Compliance-Vorschriften und kann zu Gefährdungen führen.

 **Θερμοκρασία:** Αποφύγετε τη χρήση ή την αποθήκευση κοντά σε πηγές θερμότητας ή απευθείας σε ηλιακό φως.

 **Ιατρικές πληροφορίες:** Αυτή η συσκευή μπορεί να προκαλέσει παρεμβολή στη λειτουργία ορισμένων βηματοδοτών, ακουστικών βαρηκοΐας ή άλλων ιατροτεχνολογικών προϊόντων. Για να μειώσετε τον κίνδυνο, διατηρείτε απόσταση 20 εκατοστών (8 ιντσών) ανάμεσα στη συσκευή και στο ιατροτεχνολογικό προϊόν. Ανατρέξτε στο ιατροτεχνολογικό προϊόν για πρόσθετες πληροφορίες.

 **Τροποποίηση:** Η τροποποίηση της λύσης ασύρματης επικοινωνίας, της λύσης απαγωγής της θερμότητας, των εξαρτημάτων της συσκευής, του Mylar ή της ενσωματωμένης ψύκτρας παραβιάζει τις απαιτήσεις συμμόρφωσης με τους κανονισμούς και μπορεί να δημιουργήσει κινδύνους για την ασφάλεια.

 **Hőmérséklet:** Ne használja, illetve ne tartsa a készüléket hőforrás közelében vagy közvetlen napsugárzásnak kitéve.

 **Egészségügyi kockázatok:** A készülék zavarhatja egyes pacemakerek, hallókészülékek vagy más gyógyászati eszközök működését. E kockázat mérséklése érdekében tartson legalább 20 cm (8 hüvelyk) távolságot a készülék és a gyógyászati eszköz között. További információért olvassa el a gyógyászati eszköz leírását.

 **Átalakítás:** A vezeték nélküli megoldás, a hőszabályozási megoldás, a készülék alkotóelemeinek, a Mylar résznek vagy a beépített hőelosztónak az átalakítása sérti a hatósági megfelelőségi követelményeket, és biztonsági kockázatokkal járhat.



**Hitastig:** Varist að nota eða geyma nálægt hitagjafa eða í beinu sólarljósi.



**Lækningatæki:** Tækið getur valdið truflunum í ýmsum lækningatækjum, svo sem hjartagan-gráðum eða heyrnatækjum. Til að lágmarka áhættu á truflun haldið fjarlægð sem nemur 20 cm (8 tommur) á milli tækisins og lækningatækis. Lesið notkunarleiðbeiningar viðkomandi lækningatækis til að fá nánari upplýsingar.



**Breytingar:** Breytingar á þráðlausa búnaðinum, hitabúnaði, íhlutum tækis, Mylar eða innfelldum hitadreifara er brot á opinberum reglum og geta orsakað slyshættu.



**Temperatura:** evitare di utilizzare o conservare il dispositivo accanto a fonti di calore o sotto la luce diretta del sole.



**Settore medico:** questo dispositivo può interferire con il funzionamento di alcuni pacemaker, apparecchi acustici o altri dispositivi medici. Per ridurre il rischio, mantenere il dispositivo a una distanza di 20 cm dal dispositivo medico. Per ulteriori informazioni fare riferimento al dispositivo medico.



**Modifica:** la modifica della soluzione wireless, della soluzione termica, dei componenti del dispositivo, del coperchio in Mylar o del diffusore di calore integrato causerà la violazione dei requisiti di conformità con le normative e potrebbe creare pericoli per la sicurezza.

-  **温度:**熱源の近く、または直射日光の当たる場所での使用または保管は避けてください。
-  **医療機器:**この機器は、ペースメーカー、補聴器その他の医療機器の操作を妨げる可能性があります。リスクを減らすには、この機器と医療機器の距離を 20cm (8 インチ) 離してください。詳細については、医療機器の説明書を参照してください。
-  **改造:**ワイヤレス・ソリューション、熱ソリューション、デバイス・コンポーネント、ポリエステルまたはインテグレートド・ヒート・スプレッターの改造は、法規制への準拠要件に違反し、危害を与える可能性があります。
-  **Температура:** жылу беру көздерінің жанында немесе күн сәулесі тікелей түсетін жерлерде пайдаланбаңыз немесе сақтамаңыз.
-  **Медициналық әсері:** осы құрылғы кейбір кардиостимуляторлардың, есту аппараттарының немесе басқа медициналық құрылғылардың жұмысына кедергі жасауы мүмкін. Тәуекелді азайту үшін, құрылғы мен медициналық құрылғы арасында 20 см (8 дюйм) қашықтық болуы керек. Қосымша ақпарат алу үшін, медициналық құрылғыны қараңыз.
-  **Өзгерту:** сымсыз жүйе, терможүйе, құрылғының компоненттері, майлар немесе кірістірілген жылу үлестіргіші өзгертілсе, заңға сәйкестік талаптары бұзылады және қауіп төндіруі мүмкін.



**온도:** 열원 옆이나 직사광선 아래에서 사용하거나 그러한 조건에 보관하지 마십시오.



**의료:** 이 장치는 심박기, 보청기 또는 기타 의료 장비에 간섭을 유발할 수 있습니다. 위험을 줄이기 위해, 장치와 의료 장비 사이 거리를 20 cm(8인치) 가량 유지해 주십시오. 추가 정보는 의료 장비 설명서를 참조하십시오.



**수정:** 무선 솔루션, 열 솔루션, 장치 구성 요소 또는 엔클로저를 개조하면 규정 준수 요건을 위반하게 되며 안전 위험이 유발됩니다.



**Temperatūra:** neizmantojiet un neuzglabājiēt ierīci siltuma avotu tuvumā vai vietā, kur to apspīd tieša saules gaisma.



**Medicīnas ierīces:** šī ierīce var traucēt noteiktu elektrokardiostimulatoru, dzirdes aparātu vai citu medicīnas ierīču darbību. Lai mazinātu šādu risku, ierīcei ir jāatrodas vismaz 20 cm (8 collu) attālumā no medicīnas ierīcēm. Lai uzzinātu vairāk, skatiet informāciju par attiecīgo medicīnas ierīci.



**Pārveidošana:** pārveidojot bezvadu savienotājiēriēci, dzesēšanas sistēmu, ierīces daļas, Mylar vai iebūvēto siltuma kļiedētāju, tiek pārkāptas normatīvās atbilstības prasības un radīts drošības apdraudējums.



**Temperatūra:** nenaudokite ir nelaikykite šalia karščio šaltinių arba tiesioginėje saulės šviesoje.



**Medicininiai įrenginiai:** šis įrenginys gali trukdyti kai kurių širdies stimuliatorių, klausos aparatų ar kitų medicininių prietaisų funkcionavimui. Šiai rizikai sumažinti išlaikykite 20 cm (8 colių) atstumą tarp šio įrenginio ir medicininio prietaiso. Norėdami gauti papildomas informacijos žiūrėkite medicinos prietaiso instrukciją.



**Pakeitimai:** belaidžio sprendimo, terminio sprendimo, įrenginio komponentų, Mylar arba integruoto šilumos sklaidiklio pakeitimas pažeis norminius atitikties reikalavimus ir gali sukelti pavojų saugumui.



**Temperatur:** Unngå bruk eller lagring i nærheten av varmekilder eller i direkte sollys.



**Medisinsk:** Denne enheten kan forstyrre driften av enkelte pacemakere, høreapparater og andre medisinske enheter. For å redusere risiko bør du opprettholde en avstand på 20 cm (8 tommer) mellom enheten og den medisinske enheten. Se dokumentasjonen til den medisinske enheten for ytterligere informasjon.



**Endringer:** Endringer på den trådløse løsningen, den termiske løsningen, enhetskomponenter, Mylar-komponenten eller den integrerte varmesprederen anses for å være i strid med regelverksbaserte krav og kan medføre sikkerhetsrisiko.



**Temperatura:** Nie należy używać ani przechowywać w pobliżu źródeł ciepła ani w bezpośrednim świetle słonecznym.



**Urządzenia medyczne:** To urządzenie może zakłócać pracę niektórych rozruszników serca, aparatów słuchowych i innych urządzeń medycznych. W celu ograniczenia ryzyka należy zachować odległość 20 cm (8 cali) między tym urządzeniem a stosowanym urządzeniem medycznym. Dodatkowe informacje można znaleźć w dokumentacji urządzenia medycznego.



**Modyfikacja:** Modyfikacja rozwiązania bezprzewodowego, rozwiązania termicznego, elementów urządzenia, osłony mylarowej lub zintegrowanej nagrzewnicy procesora naruszy wymogi dotyczące zgodności z przepisami i może spowodować zagrożenie bezpieczeństwa.

-  **Temperatura:** evite a utilização ou o armazenamento perto de fontes de calor ou sob exposição direta à luz solar.
-  **Equipamentos médicos:** este dispositivo pode interferir na operação de alguns pacemakers, aparelhos auditivos ou outros dispositivos médicos. Para reduzir o risco, mantenha uma distância de 20 cm (8 polegadas) entre o dispositivo e o equipamento médico. Consulte as instruções do dispositivo médico para obter informações adicionais.
-  **Modificar:** a modificação da solução sem fios, da solução térmica, dos componentes do dispositivo, do revestimento em Mylar ou do distribuidor de calor integrado viola os requisitos de conformidade regulamentar e pode resultar em riscos de segurança.
-  **Temperatura:** evite usar ou armazenar perto de fontes de calor ou sob exposição direta da luz solar.
-  **Equipamentos médicos:** este dispositivo pode interferir na operação de alguns marca-passos, aparelhos auditivos ou outros dispositivos médicos. Para reduzir o risco, mantenha uma distância de 20 cm (8 polegadas) entre o dispositivo e o equipamento médico. Consulte as instruções do dispositivo médico para obter informações adicionais.
-  **Modificação:** a modificação da solução sem fio, da solução térmica, dos componentes, do Mylar ou do dissipador de calor integrado violará os requisitos de conformidade normativa e poderá provocar riscos à segurança.

 **Temperatură:** evitați utilizarea sau păstrarea produsului în apropierea surselor de căldură sau în lumina directă a soarelui.

 **Medical:** Acest dispozitiv ar putea interfera cu funcționalitatea unor anumite stimulatoare cardiace, aparate auditive și alte dispozitive medicale. Pentru reducerea riscului, păstrați o distanță de 20 cm (8 inchi) între acest dispozitiv și cel medical. Consultați dispozitivul medical pentru informații suplimentare.

 **Modificări:** modificările aduse la soluția wireless, soluția termală, componentele dispozitivului, materialul electroizolant pe bază de poliesteri sau distribuitorul de căldură integrat încălcă cerințele legale de conformitate și pot provoca pericole legate de siguranță.

 **Teplota:** Nepoužívajte ani neuskładňujte v blízkosti zdrojov tepla ani na priamom slnečnom svetle.

 **Lekárske zariadenia:** Toto zariadenie môže rušiť prevádzku niektorých kardiostimulátorov, načúvacích pomôcok a iných lekárskeho zariadení. V záujme zníženia rizika udržiavajte medzi týmito zariadeniami a lekárskeho prístrojmi minimálnu vzdialenosť 20 cm (8 palcov). Ďalšie informácie nájdete v dokumentácii k príslušnému lekárskeho zariadeniu.

 **Úpravy:** Úpravy bezdrôtového systému, tepelného systému, súčastí zariadenia, mylarového alebo integrovaného tepelného krytu porušujú zákonné požiadavky v oblasti regulácie a môžu spôsobiť bezpečnostné riziká.

-  **Temperatura:** izogibajte se uporabi ali shranjevanju poleg toplotnih virov ali na neposredni sončni svetlobi.
-  **Medicinske naprave:** Ta naprava lahko vpliva na delovanje nekaterih srčnih spodbujevalnikov, slušnih aparatov ali drugih medicinskih naprav. Za zmanjšanje tveganja vzdržujte razdaljo vsaj 20 cm (8 palcev) med to napravo in medicinsko napravo. Za dodatne informacije glejte medicinsko napravo.
-  **Spreminjanje:** s spreminjanjem rešitve za vzpostavljanje brezžične povezave, rešitve za odvajanje toplote, delov naprave, plastjo Mylar ali vgrajeno toplotno zaščito kršite zakonske zahteve za skladnost in lahko povzročite varnostna tveganja.
-  **Temperatura:** evite su uso o almacenamiento cerca de fuentes de calor o a la luz solar directa.
-  **Información médica:** este dispositivo puede interferir en el funcionamiento de algunos marcapasos, audífonos u otros dispositivos médicos. Para reducir el riesgo, mantenga una distancia de 20 cm (8 pulgadas) entre el dispositivo y el dispositivo médico. Consulte el dispositivo médico para más información.
-  **Modificación:** la modificación de la solución inalámbrica, la solución térmica, los componentes del dispositivo, el Mylar o el difusor térmico integrado puede violar los requisitos de cumplimiento de la normativa y puede conllevar peligros para la seguridad.



**Temperatura:** Evite utilizar o guardar junto a fuentes de calor o la luz directa del sol.



**Uso médico:** Este dispositivo puede interferir con el funcionamiento de algunos marcapasos, audífonos u otros dispositivos médicos. Para reducir el riesgo, mantenga una distancia de separación de 20 cm (8 pulgadas) entre el dispositivo y el dispositivo médico. Consulte la información del dispositivo médico para obtener más detalles.



**Modificación:** La modificación de la solución inalámbrica, la solución térmica, los componentes del dispositivo, el Mylar o el disipador térmico integrado puede infringir los requisitos de cumplimiento de la normativa y puede conllevar peligros para la seguridad.



**Temperatur:** Undvik att förvara vid värmekällor eller i direkt solljus.



**Medicinskt:** Denna enhet kan orsaka störning i driften av vissa pacemakrar, hörapparater och andra medicinska anordningar. Minska risken genom att upprätthålla ett separationsavstånd på 20 cm (8 tum) mellan enheten och den medicinska anordningen. Hänvisa till den medicinska anordningen för ytterligare information.



**Modifiera:** Modifiering av den trådlösa lösningen, termallösning, enhetskomponenter, mylar eller den integrerade värmespridaren kan innebära överträdelser av krav på överensstämmelse och föranleda säkerhetsrisker.



## Regulatory Information

### FCC Declaration of Conformity

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.

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 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 the dealer or an experienced radio/TV technician for help.

The Intel® NUC 13 Compute Elements have been certified for use as a component in Information Technology Equipment in certain countries. The system integrator is responsible for testing and acquiring any additional country-specific regulatory approvals, including all system-wide certifications.

For questions related to the EMC performance of this product, contact:

Intel Corporation  
Attn: Corporate Quality  
2200 Mission College Blvd.  
Santa Clara, CA 95054  
USA

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

## Regulatory Information

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government, Industry Canada, and other national regulatory agencies.

Any special accessories needed for compliance must be specified in the instruction manual. Use only shielded and terminated cables to connect I/O devices to this equipment.

 Any changes or modifications not expressly approved by Intel could void your authority to operate the equipment.

### Modular Approval Guide

Intel® Wi-Fi 6E AX211 with BT 5.2 (AX211D2W)

USA: Model AX211D2W, FCC ID: PD9AX211D2

Canada: Model AX211D2W, IC: 1000M-AX211D2

**NOTE:** Due to the evolving state of regulations and standards in the wireless LAN field (IEEE 802.11 and similar standards), the information provided herein is subject to change. Intel Corporation assumes no responsibility for errors or omissions in this document.

### IMPORTANT NOTICE FOR ALL USERS OR DISTRIBUTORS

Intel wireless LAN adapters are engineered, manufactured, tested, and quality checked to ensure that they meet all necessary local and governmental regulatory agency requirements for the regions that they are designated and/or marked to ship into. Because wireless LANs are generally unlicensed devices that share spectrum with radars, satellites, and other licensed and unlicensed devices, it is sometimes necessary to dynamically detect, avoid, and limit usage to avoid interference with these devices. In many instances Intel is required to provide test data to prove regional and local compliance to regional and governmental regulations before certification or approval to use the product is granted. Intel's wireless LAN's EEPROM, firmware, and software driver are designed to carefully control parameters that affect radio operation and to ensure electromagnetic compliance (EMC). These parameters include, without limitation, RF power, spectrum usage, channel scanning, and human exposure.

## Regulatory Information

For these reasons Intel cannot permit any manipulation by third parties of the software provided in binary format with the wireless LAN adapters (e.g., the EEPROM and firmware). Furthermore, if you use any patches, utilities, or code with the Intel wireless LAN adapters that have been manipulated by an unauthorized party (i.e., patches, utilities, or code (including open source code modifications) which have not been validated by Intel), (i) you will be solely responsible for ensuring the regulatory compliance of the products, (ii) Intel will bear no liability, under any theory of liability for any issues associated with the modified products, including without limitation, claims under the warranty and/or issues arising from regulatory non-compliance, and (iii) Intel will not provide or be required to assist in providing support to any third parties for such modified products.

### Safety Approval Considerations

This device has been safety approved as a component and is for use only in complete equipment where the acceptability of the combination is determined by the appropriate safety agencies. When installed, consideration must be given to the following:

- The use of wireless adapters in hazardous locations is limited by the constraints posed by the safety directors of such environments.
- The use of wireless adapters on airplanes is governed by the Federal Aviation Administration (FAA).
- The use of wireless adapters in hospitals is restricted to the limits set forth by each hospital.

### USA FCC Radio Frequency Exposure

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 wireless adapter meets the Human Exposure requirements found in FCC Part 2, 15C, 15E along with guidance from KDB 447498, KDB 248227 and KDB 616217. 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; this behavior may cause damage to the radio.
- Use in specific environments:

## Regulatory Information

### USA - Federal Communications Commission (FCC)

No configuration controls are provided for Intel® wireless adapters allowing any change in the frequency of operations outside the FCC grant of authorization for U.S. operation according to Part 15.2.247 and Part 15.407 of the FCC rules.

- Intel® wireless adapters are intended for installation by OEM integrators only.
- Intel® wireless adapters cannot be co-located with any other transmitter unless without further evaluation and acceptance by the FCC.
- Intel® wireless adapters must be used with the same type of antenna with equal or less maximum gains from the original approval.
- No trace antenna designs permitted without additional evaluation and FCC approval.
- Intel® wireless adapters are single modular approvals with no limited module conditions specified.

This wireless adapter complies with Part 15.247 and 15.407 of the FCC Rules. Operation of the device is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference that may cause undesired operation.

**NOTE:** The adapter must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. Any other installation or use will violate FCC Part 15 regulations.

### IMPORTANT FOR OEMs and HOST INTEGRATORS

The guidelines described within this document are provided to OEM integrators installing Intel® wireless adapters in notebook and tablet PC host platforms. Adherence to these requirements is necessary to meet the conditions of compliance with FCC rules, including RF exposure. When all antenna type and placement guidelines described herein are fulfilled the Intel® wireless adapters may be incorporated into notebook and tablet PC host platforms with no further restrictions. If any of the guidelines described herein are not satisfied it may be necessary for the OEM or integrator to perform additional testing and/or obtain additional approval. The OEM or integrator is responsible to determine the required host regulatory testing and/or obtaining the required host approvals for compliance.

## Regulatory Information

- Intel® wireless adapters are intended for installation by OEMs and host integrators only.
- The Intel® wireless adapter FCC Grant of Authorization describes any limited conditions of modular approval.
- The Intel® wireless adapters must be operated with an access point that has been approved for the country of operation.
- Changes or modification to Intel® wireless adapters by OEMs, integrators or other third parties is not permitted. Any changes or modification to Intel® wireless adapters by OEMs, integrators or other third parties will void authorization to operate the adapter.

### Antenna Type and Gains

Only antennas of the same type and with equal or less gains as shown in the tables below shall be used with the Intel® wireless adapters. Other types of antennas and/or higher gain antennas may require additional authorization for operation. For testing purposes, the following dual band antenna that approximates closely the above limits was used:

Antenna Type	Antenna Location (Main/Aux)	2.4GHz Peak Gain dBi*	5.2GHz Peak Gain dBi*	5.5GHz Peak Gain dBi*	5.7GHz Peak Gain dBi*
PIFA	Main	3.24	3.73	4.77	4.77
	Aux	3.24	3.73	4.77	4.77
	MIMO	3.24	3.73	4.77	4.77

\*All antenna gains include cable loss.

Antenna Type	Antenna Location (Main/Aux)	6.2GHz Peak Gain dBi*	6.5GHz Peak Gain dBi*	6.6GHz Peak Gain dBi*	7GHz Peak Gain dBi*
PIFA	Main	4.83	4.3	5.37	5.59
	Aux	4.83	4.3	5.37	5.59
	MIMO	4.83	4.3	5.37	5.59

\*All antenna gains include cable loss.

## Regulatory Information

### Simultaneous Transmission of Intel® Wireless Adapters with Other Integrated or Plug-In Transmitters

Based upon FCC Knowledge Database publication number 616217, when there are multiple transmitting devices installed in a host device, an RF exposure transmitting assessment shall be performed to determine the necessary application and test requirements. OEM integrators must identify all possible combinations of simultaneous transmission configurations for all transmitters and antennas installed in the host system. This includes transmitters installed in the host as mobile devices (>20 cm separation from user) and portable devices (<20 cm separation from user). OEM integrators should consult the actual FCC KDB 616217 document for all details in making this assessment to determine if any additional requirements for testing or FCC approval is necessary.

### Antenna Placement Within the Host Platform

To ensure RF exposure compliance the antenna(s) used with the Intel® wireless adapters must be installed in notebook or tablet PC host platforms to provide a minimum separation distance from all persons, in all operating modes and orientations of the host platform, with strict adherence to the table below. The antenna separation distance applies to both horizontal and vertical orientation of the antenna when installed in the host system. Any separation distances less than those shown will require additional evaluation and FCC authorization. For WiFi/Bluetooth combination adapters it is recommended that a 5 cm separation distance between transmitting antennas be provided within the host system to maintain an adequate separation ratio for simultaneous WiFi and Bluetooth transmission. For less than 5 cm separation the separation ratio must be verified according to FCC publication KDB 447498 for the specific adapter.

Intel® Wi-Fi 6E AX211 with BT 5.2 *AX211D2W	5mm
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### Explosive Device Proximity Warning

**WARNING:** Do not operate a portable transmitter (including this wireless adapter) near unshielded blasting caps or in an explosive environment unless the transmitter has been modified to be qualified for such use.

**ANTENNA WARNINGS:** The wireless adapter is not designed for use with high-gain directional antennas.

## Regulatory Information

### Use On Aircraft Caution

**CAUTION:** Regulations of commercial airline operators may prohibit airborne operation of certain electronic devices equipped with radio-frequency wireless devices (wireless adapters) because their signals could interfere with critical aircraft instruments.

**CAUTION:** This device is prohibited against use for the control of or communications with unmanned aircraft systems, including drones

### Information To Be Supplied to the End User by the OEM or Integrator

The following regulatory and safety notices must be published in documentation supplied to the end user of the product or system incorporating the Intel® wireless adapter, in compliance with local regulations. Host system must be labeled with "Contains FCC ID: XXXXXXXX", FCC ID displayed on label. The wireless adapter must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. Intel Corporation is not responsible for any radio or television interference caused by unauthorized modification of the devices included with the wireless adapter kit or the substitution or attachment of connecting cables and equipment other than that specified by Intel Corporation.

The correction of interference caused by such unauthorized modification, substitution or attachment is the responsibility of the user. Intel Corporation and authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from the user failing to comply with these guidelines.

### Local Restriction of 802.11a, 802.11b, 802.11g, 802.11n, and 802.11ad Radio Usage

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

**CAUTION:** Due to the fact that the frequencies used by 802.11a, 802.11b, 802.11g, 802.11n, and 802.11ad wireless LAN devices may not yet be harmonized in all countries, 802.11a, 802.11b, 802.11g and 802.11n 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.

## Regulatory Information

### Canadian Department of Communications Compliance Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This device complies with industry Canada licence-exempt RSS standards(s). 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.

Le présent appareil numérique n'émet pas de bruits radio électriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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

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

## Regulatory Information

### IC Warning Statement

The 5150-5250 MHz band is for indoor use only, to reduce potential for harmful interference to co-channel Mobile Satellite systems.



### CE Statements

This device complies with the essential requirements of the Radio Equipment Directive (RED)-2014/53/EU. This device is restricted for indoor use only when operating under 5150 MHz to 5350 MHz of frequency range.

	AT	BE	BG	CH	CY	CZ	DE	DK	EE
	EL	ES	FL	FR	HR	HU	IE	IS	IT
	LI	LT	LU	LV	MT	NL	NO	PL	PT
	RO	SE	SI	SK	TR	UK (NI)			

For RE-Directive 2014/53/EU

All operational modes:

2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ax (HE20), 802.11ax (HE40), Bluetooth

5GHz: 802.11a, 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80), 802.11ac (VHT160), 802.11ax (HE20), 802.11ax (HE40), 802.11ax (HE80), 802.11ax (HE160)

The frequency, mode and the maximum transmitted power in EU are listed below:

2400-2485MHz : 20 dBm

2400-2485MHz : 10 dBm

5150-5250MHz : 23 dBm

5250-5350MHz : 23 dBm

5470-5725MHz : 23 dBm

26 5725-5875MHz : 13.98 dBm

## Regulatory Information

### Manufacturer:

Intel Corporation:  
Attn: Corp. Quality,  
2200 Mission College Blvd,  
Santa Clara, CA 95054-1549, USA

### EU Single Place of Contact:

Intel Deutschland GmbH, Attn: Corp. Quality,  
Am Campeon 10-12,  
Neubiberg, 85579 – Germany

### UK Single Place of Contact:

Intel Corporation (UK) Ltd., Attn: Corp. Quality,  
Pipers Way, Swindon,  
Wiltshire SN3 1RJ, UK

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



In the European Union, this symbol indicates that this product must not be disposed of with household waste. It is your responsibility to hand it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your local waste collection center or the point of purchase of this product.



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### CAUTION Hot parts!

Burned fingers may occur when handling parts inside the system.  
Wait one-half hour after switching off before handling parts.

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## Regulatory Information

### Korea Certification mark

ELM13IBIP08W, ELM13IBI308W, ELM13IBI316W, ELM13IBV508W, ELM13IBV516W, ELM13IBI508W, ELM13IBI516W, ELM13IBI716W, ELM13IBI732W, ELM13IBV716W, ELM13IBV732W, ELM13IBIP08WE, ELM13IBI316WE, ELM13IBI516WE, ELM13IBV732WE.

This product contains an approved Model No. AX211D2W

이기는가정용(B 급)

전자파적합기기로서주로그정에서

사용하는것을목적으로하며,모든지역에서사용할수있습니다.

해당무선설비가전파혼신가능성이있으므로인명안전과관련된서비스는할수없음



### Korea RF Warning Statement

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음.

해당 무선 설비는 5150-5250MHz 대역에서 실내에서만 사용할 수 있음.



Agência Nacional de Telecomunicações

1 2 0 7 3 - 2 1 - 0 4 4 2 3

### ANATEL statement

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

## Regulatory Information

### Japan VCCI Statement

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

### Japan Radio Law Warning Statement

5GHz 帯は室内でのみ使用のこと



D33025  
RoHS

台灣RoHS 相關資訊, 請造訪:

<https://www.intel.com/content/www/us/en/support/articles/000092578.html>

委製廠商: 美商英特爾亞太科技有限公司

地址: 台北市南港區忠孝東路 7 段 369 號 20 樓

電話: 02-66220708

# Regulatory Information



## Material Declaration Data Sheet

Management Methods on Control of Pollution From Electronic Information Products  
(China RoHS declaration)

产品中有害物质的名称及含量  
Hazardous Substances Table

部件名称 (Parts)	有害物质 (Hazardous Substance)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Intel® NUC 13 电脑元件 Intel® NUC 13 Compute Element	×	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下。

○：Indicates that this hazardous substance contained in all homogeneous materials of such component is within the limits specified in GB/T 26572.

×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 标准规定的限量要求。

×：Indicates that the content of such hazardous substance in at least a homogeneous material of such component exceeds the limits specified in GB/T 26572.

对销售之日的所售产品,本表显示我公司供应链的电子信息技术产品可能包含这些物质。注意：  
在所售产品中可能会也可能不会含有所有列出的部件。

This table shows where these substances may be found in the supply chain of our electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product

除非另外特别的标注,此标志为针对所涉产品的环保使用期限标志。

某些可更换的零部件可能会有一个不同的环保使用期限(例如,电池单元模块)。

此环保使用期限只适用于产品在产品手册中所规定的条件下工作。



The Environmental Protection Use Period (EPUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked. Certain field-replaceable parts may have a different EPUP (for example, battery modules) number. The Environment-Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.







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