

Zebra ZC100, ZC300 Series Regulatory Guide



ZEBRA



P1094926- 001

Zebra Technologies | 3 Overlook Point | Lincolnshire, IL 60069 USA
<http://www.zebra.com>

©2017 ZIH Corp and/or its affiliates. All rights reserved. Zebra and the stylized Zebra Head are trademarks of ZIH Corp., registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners.

Worldwide

Regulatory Information

All Zebra devices are designed to be compliant with the rules and regulations in locations they are sold and will be labeled as required. For more information about Zebra's compliance with national and international mandates, go to: www.zebra.com/compliance

For the latest version of this guide, go to: www.zebra.com/support

Any changes or modifications to Zebra equipment, not expressly approved by Zebra, could void the user's authority to operate the equipment.

End User License Agreement

For the complete End User License Agreement, go to www.zebra.com/eula

Warranty

For the complete hardware product warranty statement, go to www.zebra.com/warranty

Brazil - Aviso da Anatel

Este equipamento opera em caráter secundário, isto é, não tem direito de proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

"Este produto está homologado pela ANATEL, de acordo com procedimentos regulamentados pela Resolução 242/2000, e atende aos requisitos técnicos aplicados"

Para maiores informações, consulte o site da ANATEL www.anatel.gov.br

This equipment's operation is of a secondary character; that is, it doesn't have the right to protection against damaging interference, even from stations of the same type, nor can it cause interference to systems with a primary operating character.

Este produto utiliza internamente o módulo de ZBRBLE número de homologação pela ANATEL 0581-16-5041e o módulo WYSBHVXGXG número de homologação pela ANATEL 0581-16-1530



OS

Canada

DOC Compliance

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This Class A digital apparatus complies with Canadian ICES-003.

Industry Canada (IC) Warning

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 device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: 1) This device may not cause interference., 2) This device must accept any interference, including interference that may cause undesired operation of the device.

China

ZC100, ZC300 系列 中国RoHS 材料声明

(ZC100, ZC300 Series China RoHS Material Declaration)

零件名称	有毒/有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
封装材料 (Enclosure)	○	○	○	○	○	○
电子组件 (Electronics)	X	○	○	○	○	○
驱动系统 (Drive Train)	X	○	○	○	○	○
紧固件 (Fasteners)	X	○	○	○	○	○
外部电源 (External Power Supply)	X	○	○	○	○	○
打印头 (Print Heads)	X	○	○	○	○	○
802.11 适配器 (802.11 Radio Card)	X	○	○	○	○	○

X - 表示该零件的某一均质材料中的有毒有害物质的含量超出 SJ/T11363-2006 标准规定的限量要求。
X - Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.

○ - 表示不含有此类物质或此类物质的含量在上述标准规定的限量要求以下。
○ - Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.

European Union (EU)

български (br): С настоящото Zebra Technologies Corporation декларира, че радио оборудването от тип WLAN или Bluetooth е в съответствие с Директива 2014/53/EU. Пълният текст на декларацията за съответствие на ЕС е наличен на следния интернет адрес: www.zebra.com/compliance

Čeština (cs): Společnost Zebra Technologies Corporation tímto prohlašuje, že rádiové zařízení typu WLAN nebo Bluetooth splňuje požadavky směrnice 2014/53/EU. Úplné znění prohlášení o shodě EU je k dispozici na následující internetové adrese: www.zebra.com/compliance

Dansk (da): Zebra Technologies Corporation erklærer hermed, at radioudstyrstypen WLAN eller Bluetooth er i overensstemmelse med Direktiv 2014/53/EU. EU-overensstemmelseserklæringen er tilgængelig på følgende internetadresse: www.zebra.com/compliance

Deutsch (de): Hiermit erklärt Zebra Technologies Corporation, dass die WLAN- oder Bluetooth-Funkausrüstung den Anforderungen der Richtlinie 2014/53/EU entspricht. Die komplette EU-Konformitätserklärung ist unter dem folgenden Link verfügbar: www.zebra.com/compliance

ελληνικά (el): Η Zebra Technologies Corporation δηλώνει δια της παρούσης ότι ο ραδιοφωνικός εξοπλισμός τύπου WLAN ή Bluetooth συμμορφώνεται με την Οδηγία με την ΕΕ 2014/53/EU. Το πλήρες κείμενο της Δήλωσης Συμμόρφωσης ΕΕ είναι διαθέσιμο στην ακόλουθη διεύθυνση στο ίντερνετ: www.zebra.com/compliance

English (en): Hereby, Zebra Technologies Corporation declares that the radio equipment type WLAN or Bluetooth is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.zebra.com/compliance

Español (es): Zebra Technologies Corporation declara por la presente que el tipo de equipo de radio (WLAN o Bluetooth) cumple la Directiva 2014/53/UE. El texto completo de la declaración de conformidad de la UE está disponible a través de la siguiente dirección de Internet: www.zebra.com/compliance

Eesti (et): Käesolevaga kinnitab Zebra Technologies Corporation, et WLAN- või Bluetooth-raadiosideasade vastab direktiivile 2014/53/EL. EL-i vastusdeklaratsiooni tekst on saadaval aadressil www.zebra.com/compliance

Suomi (fi): Zebra Technologies Corporation täten julistaa, että radiolaitetyypit WLAN tai Bluetooth noudattavat direktiiviä 2014/53/EU. EU-vaatimustenmukaisuusvakuutuksen täysimittaisen tekstin saa seuraavasta osoitteesta: www.zebra.com/compliance

Français (fr): Par la présente, Zebra Technologies Corporation certifie que les équipements radio de type WLAN ou Bluetooth sont conformes à la directive européenne 2014/53/EU. Le texte complet de la déclaration de conformité CE est disponible à l'adresse suivante : www.zebra.com/compliance

Hrvatski (hr): Tvrtka Zebra Technologies Corporation ovim putem izjavljuje da je radijska oprema tipa WLAN ili Bluetooth u skladu s direktivom 2014/53/EU. Cjelovit tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: www.zebra.com/compliance

Magyar (hu): A Zebra Technologies Corporation ezennel kijelenti, hogy a WLAN vagy Bluetooth típusú rádiófrekvenciás készülékei megfelelnek a 2014/53/EU direktíva előírásainak. Az EU direktíva megfeleléségi előírásainak teljes szövege a következő weblapon található: www.zebra.com/compliance

Italiano (it): Con la presente, Zebra Technologies Corporation dichiara che l'apparecchio radio tipo WLAN o Bluetooth è conforme alla Direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile all'indirizzo internet seguente: www.zebra.com/compliance

Lietuvių (lt): „Zebra Technologies Corporation“ pareiškia, kad WLAN arba „Bluetooth“ radijo įranga atitinka 2014/53/ES direktyvą. Visą ES atitikties direktyvos tekstą galima peržiūrėti toliau nurodytu interneto adresu:

www.zebra.com/compliance

Latviešu (lv): Ar šo „Zebra Technologies Corporation“ apstiprina, ka WLAN un „Bluetooth“ priekojums atbilst visām Direktīvas 2014/53/ES prasībām. Pilnu ES atbilstības deklarācijas tekstu varat skatīt šajā tīmekļa vietnē:

www.zebra.com/compliance

Malti (mt): B'dan, Zebra Technologies Corporation tiddikkjara li t-tagħmir tar-radju tip WLAN jew Bluetooth huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzoni tal-UE dwar il-konformità huwa disponibbli fuq l-indirizz tal-internet li ġej: **www.zebra.com/compliance**

Nederlands (nl): Hierbij verklaart Zebra Technologies Corporation dat het radioapparaattype WLAN of Bluetooth in overeenstemming is met Richtlijn 2014/53/UE. De volledige tekst van de EU-conformiteitsverklaring is beschikbaar op het volgende internetadres: **www.zebra.com/compliance**

Polski (pl): Niniejszym Zebra Technologies Corporation oświadczca, że sprzęt radiowy typu WLAN i Bluetooth jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem WWW: **www.zebra.com/compliance**

Português (pt): A Zebra Technologies Corporation declara que o tipo de equipamento de rádio WLAN ou Bluetooth se encontra em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade UE está disponível no seguinte endereço da Internet: **www.zebra.com/compliance**

Românesc (ro): Prin prezenta, Zebra Technologies Corporation declară că echipamentul radio de tip WLAN sau Bluetooth respectă Directiva 2014/53/UE. Textul complet al declarației de conformitate UE este disponibil la următoarea adresă de internet: **www.zebra.com/compliance**

Slovenčina (sk): Spoločnosť Zebra Technologies Corporation týmto vyhlasuje, že rádiové zariadenie typu WLAN alebo Bluetooth spĺňa požiadavky smernice 2014/53/EU. Úplné znenie vyhlásenia o zhode EU je k dispozícii na tejto internetovej adrese: **www.zebra.com/compliance**

Slovenski (sl): Družba Zebra Technologies Corporation izjavlja, da je radijska oprema WLAN ali Bluetooth v skladu z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem internetnem naslovu: **www.zebra.com/compliance**.

Svenska (sv): Härmed förklarar Zebra Technologies Corporation att radioutrustningen typ WLAN eller Bluetooth överensstämmer med Direktiv 2014/53/EU. Den fullständiga texten i EU-deklarationen om överensstämmelse finns på följande Internet-adress: **www.zebra.com/compliance**

Türkçe (tr): Burada, Zebra Technologies Corporation radyo ekipman tipi WLAN veya Bluetooth'un Direktif 2014/53/UE ile uyumlu olduğunu beyan eder. AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur: **www.zebra.com/compliance**

Zebra Technologies Europe Limited
Dukes Meadow,
Millboard Road
Bourne End,
Buckinghamshire, SL8 5XF, UK





Waste Electrical and Electronic Equipment (WEEE)

български (br): Не изхвърляйте този продукт в общински отпадъци, които не се събират разделно. Този продукт е рециклируем и трябва да бъде рециклиран според местните разпоредби. За повече информация, моля, вижте нашия уебсайт на:

www.zebra.com/environment

Čeština (cs): Tento produkt nevyhazujte do neříděného komunálního odpadu. Produkt je recyklovatelný, a je třeba jej recyklovat v souladu s místními předpisy. Bližší informace naleznete na naší webové stránce na adrese:

www.zebra.com/environment

Dansk (da): Bortskaf ikke dette produkt i usorteret dagrenovation. Dette produkt kan genbrugs og skal genbruges i henhold til de gældende lokale regler og standarder. Yderligere oplysninger findes på vores websted på:

www.zebra.com/environment

Deutsch (de): Entsorgen Sie dieses Produkt nicht über den Hausmüll. Das Produkt ist wiederverwertbar, und die Entsorgung sollte über Ihr lokales Recycling-System erfolgen. Weitere Informationen finden Sie auf unserer Website:

www.zebra.com/environment

ελληνικά (el): Μην απορρίψετε αυτό το προϊόν σε μη ταξινομημένα δημοτικά απόβλητα. Αυτό το προϊόν είναι ανακυκλώσιμο και πρέπει να ανακυκλώνεται σύμφωνα με τα τοπικά πρότυπα της περιοχής σας. Για περισσότερες πληροφορίες δείτε την ιστοσελίδα μας στη διεύθυνση: www.zebra.com/environment

English (en): Do not dispose of this product in unsorted municipal waste. This product is recyclable, and should be recycled according to your local standards. For more information, please see our website at:

www.zebra.com/environment

Español (es): No tire este producto con el resto de los residuos. Este producto es reciclable, y debería ser reciclado de acuerdo con las normas locales. Para obtener más información, visite nuestro sitio en la Web en:

www.zebra.com/environment

Eesti (et): Ärge visake seda toodet sortimata olmeprügi hulka. See toode on ringlussevõetav ning see tuleb kohalike nõuete kohaselt ringlusse võtta. Lisateavet leiate meie veebisaidilt: www.zebra.com/environment

Suomi (fi): Älä heitä tätä tuotetta sekajätteeseen. Tämän tuotteen voi kierrättää, ja se tulee kierrättää paikallisten säästösten mukaisesti. Lisätietoja saa verkkosivuiltamme osoitteesta www.zebra.com/environment

Français (fr): Ne jetez pas ce produit avec les déchets municipaux non triés. Ce produit est recyclable et doit être recyclé selon les normes locales en vigueur. Pour des informations complémentaires, visitez notre site Web à l'adresse suivante :

www.zebra.com/environment

Hrvatski (hr): Nemojte odlagati ovaj uređaj na mjesta s nesortiranim komunalnim otpadom. Ovaj se uređaj može reciklirati i treba ga reciklirati u skladu s vašim lokalnim standardima. Za detaljnije informacije posjetite naše web mjesto na: www.zebra.com/environment

Magyar (hu): Ne dobja ki a terméket a háztartási hulladékkal. A termék újrahaznosítható, és az újrahaznosítást a helyi rendeletek szerint kell végezni. További információt ezen a weblapunkon talál: www.zebra.com/environment

Italiano (it): Non smaltire questo prodotto nella raccolta municipale dei rifiuti non differenziati. Il prodotto è riciclabile e deve essere riciclato in base alle norme locali. Per ulteriori informazioni, consultare il nostro sito Web:

www.zebra.com/environment

Lietuvių (lt): Neišmeskite šio gaminio su nerūšiuotomis buitinėmis atliekomis. Šis gaminy s yra perdurbamas. Jį reikia perdurti pagal jūsų vietos standartus. Norėdami daugiau informacijos, žr. mūsų internetinę svetainę:

www.zebra.com/environment

Latviešu (lv): No šī izstrādājuma aizliegts atbrīvoties kā no parastiem nešķirojamiem mājāsaimniecības atkritumiem. Šo izstrādājumu var atkārtoti pārstrādāt, un no tā jāatbrīvojas atbilstoši vietējiem noteikumiem. Plašāku informāciju skatiet mūsu tīmekļa vietnē: www.zebra.com/environment

Malti (mt): Tarmix dan il-prodott fi skart municipali mhux separat Dan il-prodott huwa riciklabbli, u ghandu jigi riciklat skont l-istandardi lokali tieghek. Ghal aktar informazzjoni, ara l-websajt taghna:

www.zebra.com/environment

Nederlands (nl): Gooi dit product niet weg bij het huishoudelijk afval. Dit product kan worden gerecycled en dient te worden verwerkt volgens de plaatselijke richtlijnen. Ga voor meer informatie naar onze website op:

www.zebra.com/environment

Polski (pl): Nie należy wyrzucać tego produktu z niesegregowanymi odpadami komunalnymi. Ten produkt nadaje się do recyklingu. Powinno się go poddawać recyklingowi zgodnie z lokalnymi normami. Aby dowiedzieć się więcej, odwiedź naszą witrynę internetową: www.zebra.com/environment

Português (pt): Não descarte este produto em lixo comum. Este produto é reciclável e deve ser descartado de acordo com as regulamentações locais. Para obter mais informações, visite o nosso site na Web:

www.zebra.com/environment

Românesc (ro): Nu aruncați acest produs la deșeurile menajere nesortate. Acest produs este reciclabil și trebuie reciclat în conformitate cu standardele locale. Pentru mai multe informații, consultați site-ul nostru web la:

www.zebra.com/environment

Slovenčina (sk): Tento produkt nevyhadzujte do netriedeného komunálneho odpadu. Produkt je recyklovateľný a je potrebné ho recyklovať v súlade s miestnymi predpismi. Blížšie informácie nájdete na našej webovej stránke na adrese:

www.zebra.com/environment

Slovenski (sl): Tega izdelka ne odlagajte med nesortirane komunalne odpadke. Izdelek je primeren za reciklažo in ga je treba reciklirati v skladu z lokalnimi standardi. Za več informacij obiščite našo spletno stran na naslovu:

www.zebra.com/environment.

Svenska (sv): Kasta inte produkten i sorterade kommunala sopor. Produkten kan återvinnas och återvinning bör ske enligt lokala föreskrifter. För mer information, besök vår webbplats på: www.zebra.com/environment

Türkçe (tr): Bu ürünü ayrıştırlmamış belediye atık konteynerlerine atmayın. Bu ürün geri dönüştürülebilir ve yerel standartlar uyarınca geri dönüştürülmelidir. Daha fazla bilgi için lütfen aşağıdaki adresten web sitemizi ziyaret edin: www.zebra.com/environment

Antenna Information:

- Type = Patch
- Gain = 3.66dBi @ 2.4GHz
- Gain = 3.19dBi @ 5GHz
- Type = Chip
- Gain = 1dBi @ 2.4 GHz

WLAN specifications:

802.11 b

- 2.4 GHz
- DSSS (DBPSK, DQPSK and CCK)
- RF power 17.77 dBm (EIRP)

802.11 g

- 2.4 GHz
- OFDM (16-QAM and 64-QAM with BPSK and QPSK)
- RF power 18.61 dBm (EIRP)

802.11 n

- 2.4 GHz
- OFDM (16-QAM and 64-QAM with BPSK and QPSK)
- RF power 18.62 dBm (EIRP)

802.11 a/n

- 5.15-5.25 GHz, 5.25-5.35 GHz, 5.47-5.725 GHz
- OFDM (16-QAM and 64-QAM with BPSK and QPSK)
- RF power 17.89 dBm (EIRP)

802.11 ac

- 5.15-5.25 GHz, 5.25-5.35 GHz, 5.47-5.725 GHz
- OFDM (16-QAM and 64-QAM with BPSK and QPSK)
- RF power 13.39 dBm (EIRP)

Bluetooth 4.1 + Low Energy

- 2.4GHz
- FHSS(BDR/EDR), GFSK(Bluetooth Low Energy)
- RF power 9.22 dBm (EIRP)

Bluetooth 4.1 + Low Energy (LE Only)

- 2.4GHz
- FHSS(BDR/EDR), GFSK(Bluetooth Low Energy)
- RF power -0.85 dBm (EIRP)

Korea

이 기기는 가정용(B급) 전자파 적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

The equipment is for home use (Class B) and has acquired electromagnetic conformity registration, so it can be used not only in residential area but other areas as well.

해당 무선설비기기는 문용충 전파차신 가능성이 있으므로 인명 안전과 관련된 서비스는 할 수 없습니다.

This radio device is not allowed to be used for human safety since it has possibility of radio interference during operation.

Mexico

Este equipo ha sido diseñado para operar con las antenas que enseguida se enlistan y para una ganancia máxima de antena de [3.66] dBi. El uso con este equipo de antenas no incluidas en esta lista o que tengan una ganancia mayor que [3.66] dBi quedan prohibidas. La impedancia requerida de la antena es de [50] ohms.

Antenna information:

- Type = Patch
- Gain = 3.66dBi @ 2.4GHz
- Gain = 3.19 dBi @ 5GHz
- Impedance = 50 ohms
- Type = Chip
- Gain = 1dBi @ 2.4GHz

Taiwan

- 一般設備(低功率電波輻射性電機管理辦法第12、14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。
- 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需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。
- 避免電波干擾，本器材禁止於室外使用5.25-5.35兆赫頻帶。

United States of America

FCC Compliance

This device complies with Part 15 rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- 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 Class B Digital Devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the product manuals, 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, the user is encouraged to do 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 RF service technician for help.

IMPORTANT

1. The radio must be installed with a minimum 20 cm separation between the user and the antenna.
2. The radio must not be co-located or used in simultaneous transmitting condition with another radio.
3. The host system shall have a label to indicate that the system contains a certified module.
4. An example is "Contains FCC ID : XXXXX-XXXXXXXX , IC ID: XXXXX-XXXXXXXX".
5. The radio is for indoor use only in the 5150-5250 MHz frequency range.

The user is cautioned that any changes or modifications not expressly approved by Zebra Technologies could void the user's authority to operate the equipment. To ensure compliance, this printer must be used with fully shielded communication cables.