

Honeywell

ScanPal™ Series

ScanPal™ Series Mobile Computers

EDA52-1
EDA52-0 Quick Start Guide



EDA52-EN-QS Rev A
Apr/06/2021

Out of the BOX

Make sure that your shipping box contains these items:

- ScanPal™ Mobile Computers (Model EDA52-1 or EDA52-0);
- Main battery (3.8V, lithium ion battery);
- 10-watt power adapter;
- Replaceable adapter plugs;
- USB charging cable;
- Quick Start Guide.

Remarks:

If you ordered accessories for your mobile computer, verify that they are also included with the order.

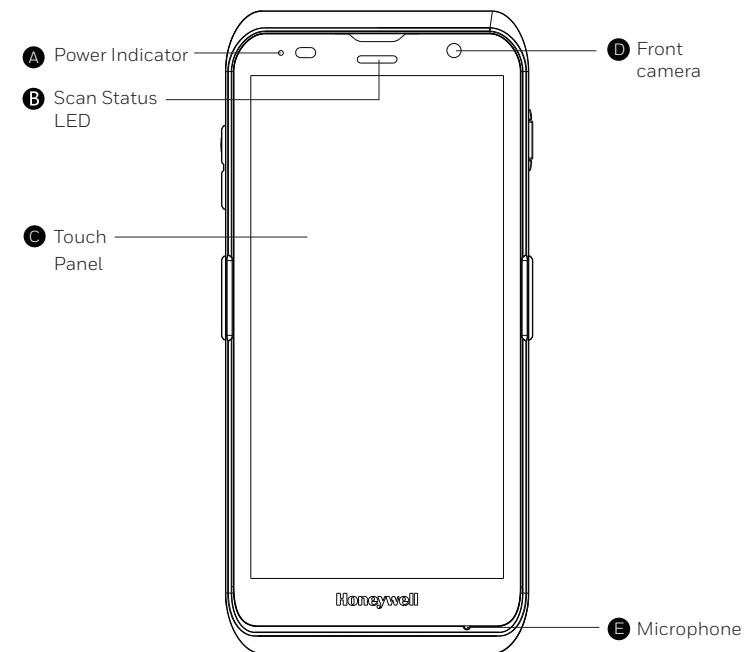
Be sure to keep the original packaging in case you need to return the mobile computer for service.

Note:

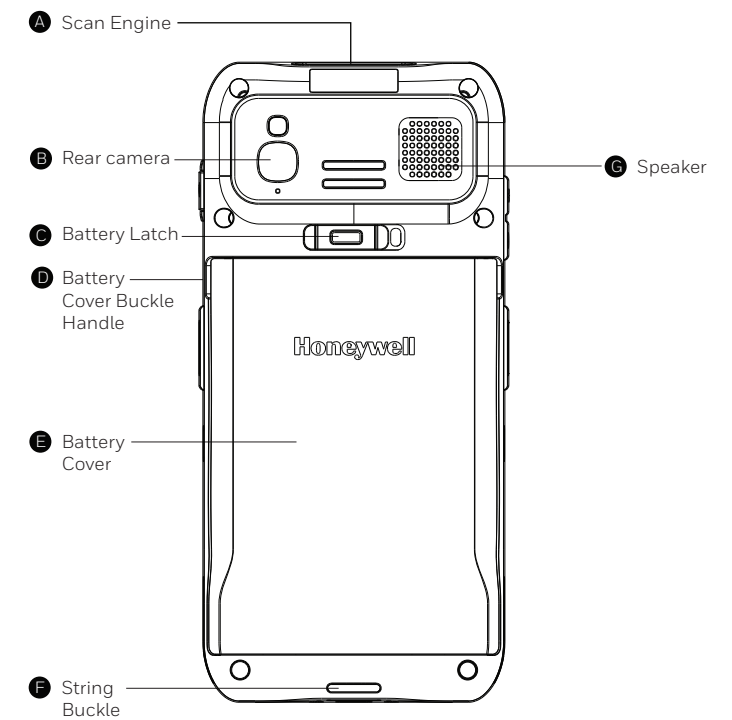
End users should not arbitrarily replace the operating system with other operating systems. To update operating system installed on your device, you need to get license from the OS vendors.

EDA52-1/EDA52-0 belongs to ScanPal™ Series

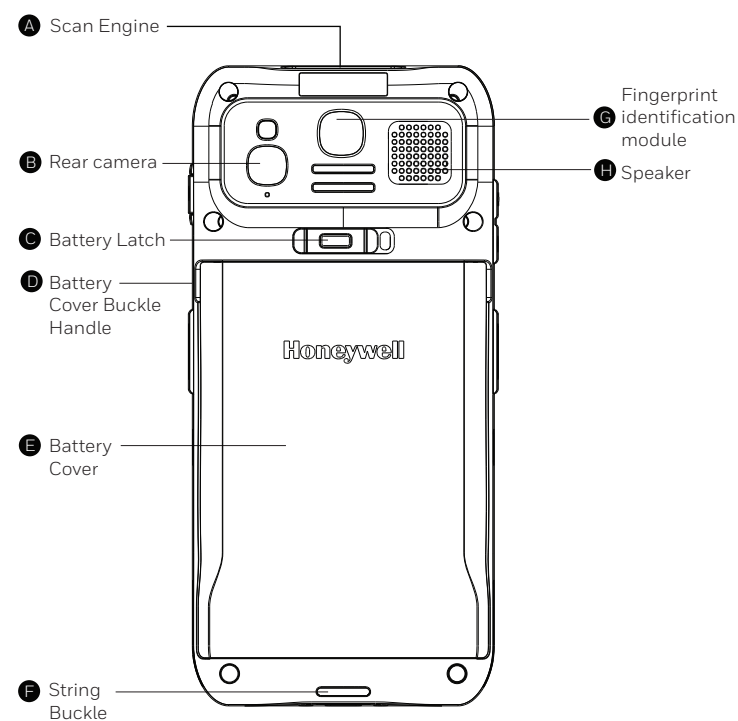
Front Panel



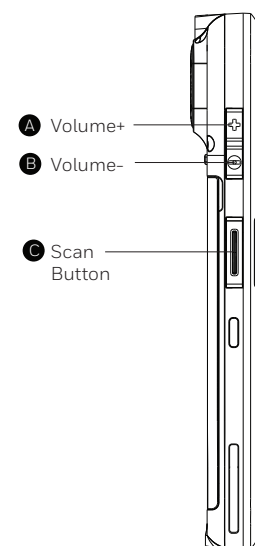
Front Panel (without fingerprint identification module)



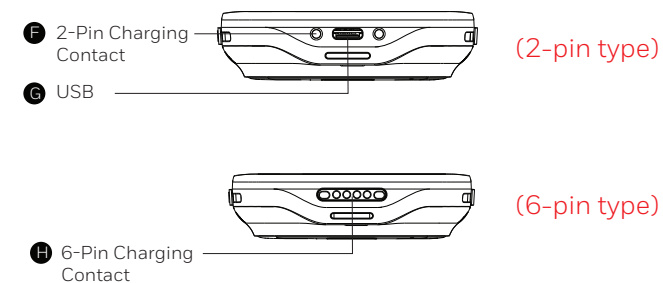
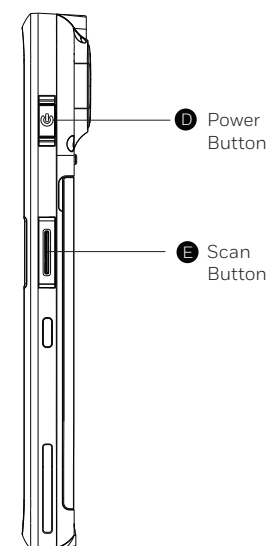
Front Panel (without fingerprint identification module)



Left Side View



Right Side View



Install the Main Battery

Replace the battery with wrong models may cause explosion. Please make sure to use and dispose the battery in accordance with local regulations. Please recycle the battery when possible. Do not dispose it as household waste.

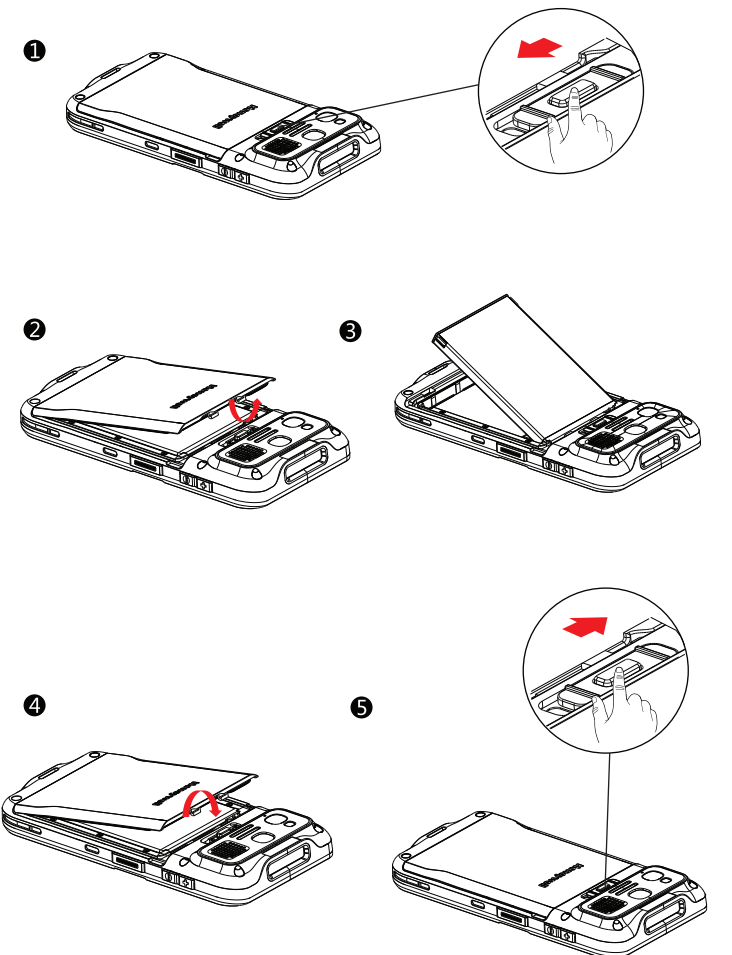
Please ensure all kits are dry when connect the mobile device or battery to external devices. Damages caused by connecting wet kits are not covered by the warranty.

ScanPal™ comes with a battery in a separate package. Please follow the steps below to install the battery.

1. Press down the battery cover safety button to move the battery cover safety lock to the unlock position at right;
2. Open the battery cover with the battery cover buckle handle;
3. Insert the battery (Insert the non-connector side first, then press the battery down to establish connection between the battery and the phone);
4. Press down the battery cover (Insert the non-connector side first, then press the battery cover down)
5. Press down the battery cover safety button to move the battery cover safety lock to the lock position at left

Remarks:

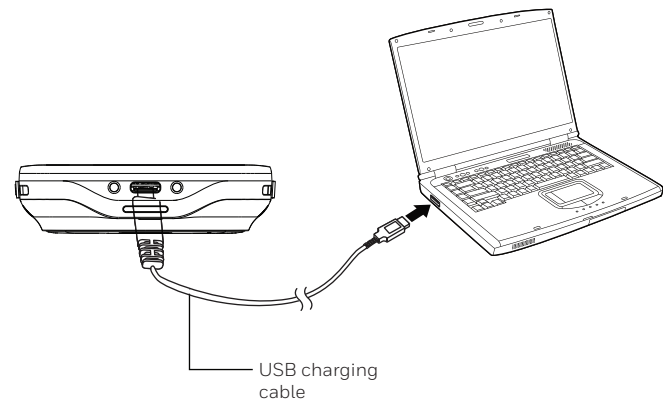
Refer to the illustrated installation steps on the following page.



Charging / Sync

Synchronous Communication

- 1. Connect ScanPal™ to the PC using the USB charging cable

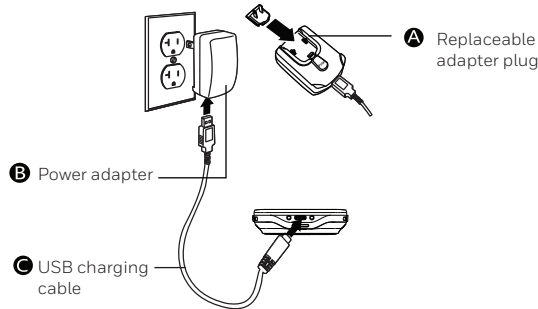


Charging / Sync

Charging

- 1. Open the USB cover at the bottom of ScanPal™;
- 2. Connect ScanPal™ to the power adapter with USB charging cable;
- 3. Make sure the replaceable adapter plug plugged into the power adapter;
- 4. Connect the power adapter to the wall plug and start charging for ScanPal™.

Fully charge the ScanPal™ at least 4 hours (depending on the model) before using it for the first time.
Using the device while charging will significantly extend the time required to fully charge.



Remarks:
It's recommended to use Honeywell's peripherals, batteries, USB charging cables and power adapters. Use of any non-Honeywell peripherals, batteries, USB charging cables or power adapters may result in damage not covered by the warranty.
Warnings:
Ensure all components are dry prior to placing the battery in the computer. Mating wet components may cause damage not covered by the warranty.

Suspend / Wakeup the Mobile Computer

Suspend / Wakeup the Mobile Computer

- 1. Press the power button and then release (less than 2 seconds)
- 2. To wake up the device from sleep mode, press the power button and then release (less than 2 seconds)

Restart the Mobile Computer

Press the reset button and then release to restart ScanPal™ to correct conditions where an application stops responding to the system or the computer seems to be locked up.

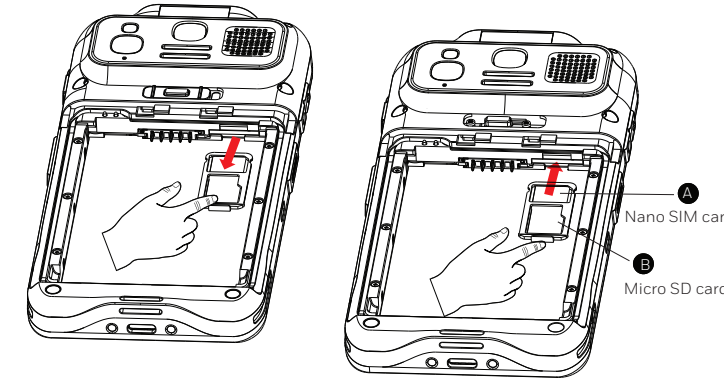
Power Indicator

The status of power indicators in non-charging and charging process are illustrated as below:

Non-charging process	
Off	Battery power is normal
Flashing orange	Battery power is low
Charging process	
Solid green	Charging complete
Flashing green	During charging process, and the charging is about to be completed
Orange	During charging process, and the battery power is still low
Flashing red	Battery is abnormal

Install a Nano SIM Card

- 1. Power off;
- 2. Press down the battery cover safety button to move the lock to the unlock position at right;
- 3. Open the battery cover with the battery cover buckle handle;
- 4. Pull out the battery (First open the battery connector side, then pull out the battery);
- 5. Pull out card slot and insert the Nano SIM/TF card one by one, and push the card slot into place;
- 6. Insert the battery;
- 7. Press down the battery cover;
- 8. Press down the battery latch and move it to the lock position at left;
- 9. Power on.

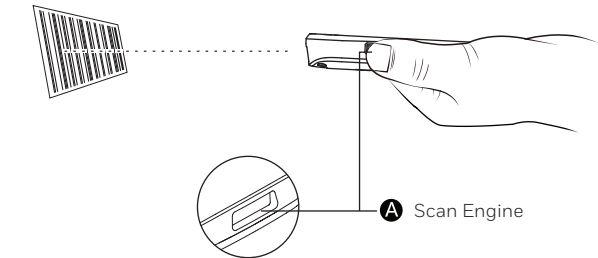


Note:
1. Only EDA 52-1 delivers this feature
2. It's recommended to use standard Nano SIM card. Using non-standard Nano SIM card may cause the network unusable and even damage the card and slot;
3. Using non-standard Nano SIM card may cause damage not covered by the warranty.

Use Scan Engine

Align the aiming beam with the barcodes, and adjust the angle between the beam and the barcodes to get the best results. The recommended range from the mobile computer to the barcodes is 7 to 30cm.

- 1. Select Demos > Scan Demo;
- 2. Touch Scan on the screen or press and hold any Scan button;
- 3. Point the mobile computer at the bar code;
- 4. Adjust the aiming beam: for optimum performance, avoid reflections by scanning the barcode at a slight angle. Scan the barcode to slowly move the aiming beam over the bar code;
- 5. The information is obtained when the barcode is successfully decoded and the mobile computer beeps.



Aiming Beam

The aiming beam gets narrower when the mobile computer gets closer to the barcodes, while it gets wider when the mobile computer gets farther from the barcodes.

The smaller the barcodes, the closer the aiming beams should get to the barcodes
The bigger the barcodes, the father the aiming beams should get to the barcodes

Beam positions when scan QR Code



Technical Support

For information about technical support, after-sales service and maintenance, please visit www.honeywellaidc.com.

Documentation

The local version of this article is available at www.honeywellaidc.com.

Patents

For patent information, please refer to www.honeywellaidc.com/patents.

Limited Warranty

For warranty information, go to www.honeywellaidc.com/warranty_information.

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Agency Models: EDA52-0, EDA52-1

Publicly downloadable certificates are available at www.honeywellaidc.com/compliance .	Les certificats téléchargeables accessibles au public sont disponibles à www.honeywellaidc.com/compliance .	Les certificats téléchargeables publiquement sont disponibles sur www.honeywellaidc.com/compliance .	I certificati pubblicamente scaricabili sono disponibili sul sito Web www.honeywellaidc.com/compliance .	Zertifikate stehen unter www.honeywellaidc.com/compliance öffentlich zum Download zur Verfügung.	Hay certificados descargables disponibles públicamente en www.honeywellaidc.com/compliance .	Puede descargar los certificados de acceso público en www.honeywellaidc.com/compliance .
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Product documentation is available at www.honeywellaidc.com .	La documentation sur le produit est disponible à www.honeywellaidc.com .	La documentation du produit est disponible sur le site www.honeywellaidc.com .	La documentazione sul prodotto è disponibile sul sito www.honeywellaidc.com .	Die Produktdokumentation ist unter www.honeywellaidc.com verfügbar.	La documentación del producto está disponible en www.honeywellaidc.com .	La documentación del producto está disponible en www.honeywellaidc.com .
A documentação do produto está disponível em www.honeywellaidc.com .	产品文档请参见 www.honeywellaidc.com 。	產品文件集請參見 www.honeywellaidc.com 。	製品ドキュメントは www.honeywellaidc.com で利用可能です。	제품 설명서는 www.honeywellaidc.com 에서 확인할 수 있습니다.	Документацию по изделию можно найти на сайте www.honeywellaidc.com .	توفر وثائق المنتج على الموقع التالي www.honeywellaidc.com .
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For body worn operation, this device has been tested and meets the limits regarding human exposure to electromagnetic radiation set forth in related FCC, IC and CE rules.

Fonctionnement près du corps: ce dispositif a été testé et s'avère conforme aux règles et lignes directrices des normes FCC, IC et EC.

 802.11 Caution: A Wireless Network Administrator should review the operating restrictions and use with a properly configured access point.

**Models: EDA52-0, EDA52-1**
FCC Part 15 Subpart B Class B

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.
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 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 the dealer or an experienced radio or television technician for help.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. Honeywell International Inc. is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by Honeywell International Inc. The correction is the responsibility of the user.

Use only shielded data cables with this system.	Utiliser uniquement des câbles de données blindés avec ce système.	Utilisez uniquement des câbles de données blindés avec ce système.	Utilizzare solo cavi dati schermati con questo sistema.	Für dieses System nur abgeschirmte Datenkabel verwenden.	Utilice sólo cables de datos blindados con este sistema.	Use únicamente cables protegidos para datos con este sistema.
Use somente cabos de dados blindados com este sistema.	此系统仅能使用屏蔽数据电缆。	此系統只能使用包裹的資料傳輸線。	このシステムにはシールド付きデータケーブルのみを使用してください。	이 시스템에는 차폐된 데이터 케이블만 사용하십시오.	Используйте с этой системой только экранированные кабели передачи данных.	استخدم فقط كابلات البيانات المصحف مع هذا النظام.

Models: EDA52-0, EDA52-1
Canadian Compliance

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 harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

CAN ICES-3 (B) /NMB-3 (B)

Models: EDA52-0, EDA52-1
Conformité à la réglementation canadienne

Cet appareil est conforme aux normes RSS avec exemption de licence d'Industrie Canada. Son fonctionnement est assujéti aux conditions suivantes:

1. Cet appareil ne doit pas causer de brouillage préjudiciable.
2. Cet appareil doit pouvoir accepter tout brouillage reçu, y compris le brouillage pouvant causer un fonctionnement indésirable.

CAN ICES-3 (B) /NMB-3 (B)

Models: EDA52-0, EDA52-1
802.11a Radio Precaution Statements (North America)

- 802.11a wireless LAN 5150 to 5250 MHz (5.15 to 5.25 GHz) (5 GHz radio channels 36 - 48) is restricted to indoor operations to reduce harmful interference to co-channel Mobile Satellite System (MSS) operations.
- The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the EIRP limit.
- The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall comply with the EIRP limits specified for point-to-point and non-point-to-point operation as appropriate.
- Be advised that high-power radars are allocated as primary users (i.e., priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Models: EDA52-0, EDA52-1
802.11a Énoncé de mise en garde radio (Amérique du Nord)

- Mise en garde : 802.11a sans fil LAN 5150 à 5250 MHz (5.15 à 5.25 GHz) (fréquences radio 36 à 48 de 5 GHz) est limité aux opérations en intérieur pour réduire les interférences nuisibles aux opérations du système mobile par satellite (MSS) dans le même canal.
- Mise en garde : Le gain en puissance d'antenne maximal autorisé pour les périphériques dans les bandes 5250 à 5350 MHz et 5470 à 5725 MHz doit respecter la limite EIRP.
- Mise en garde : Le gain en puissance d'antenne maximal autorisé pour les périphériques dans les bandes 5725 à 5850 MHz doit respecter les limites EIRP spécifiées pour les opérations point à point et non point à point le cas échéant.
- Mise en garde : Sachez que les radars de haute puissance sont désignés comme utilisateurs principaux (c.-à-d. utilisateurs prioritaires) des bandes 5250 à 5350 MHz, et que ces radars peuvent causer des interférences ou endommager les périphériques LE-LAN.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

The County Code Selection feature is disabled for products marketed in the US/Canada.

La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

Model: EDA52-0, EDA52-1

Para su uso en México, la operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

 Honeywell International Inc. hereby declares that the radio equipment types, non-specific SRD (Models: EDA52-0, EDA52-1) and cellular (Model: EDA52-1), are in compliance with the following directives: • 2014/53/EU Radio Equipment • 2011/65/EU RoHS (Recast) The full text of the EU declaration of conformity is available at the following internet address: www.honeywellaidc.com/compliance. European contact: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen The Netherlands	 Honeywell International Inc. déclare par la présente que les types d'équipement radio, SRD non spécifiques (modèles : EDA52-0, EDA52-1) et cellulaires (modèle : EDA52-1) sont conformes aux directives suivantes : • Équipement radio 2014/53/UE • 2011/65/UE – RoHS (Refonte) Le texte intégral de la déclaration de conformité de l'UE est disponible à l'adresse Internet suivante : www.honeywellaidc.com/compliance. Personne-ressource en Europe : Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Les Pays-Bas	 Honeywell International Inc. dichiara che i tipi di apparecchiature radioelettiche di faible portee non specifiche (Modèles : EDA52-0, EDA52-1) et portables (Modèle : EDA52-1) sont conformes aux directives suivantes : • 2014/53/UE Équipement radio • 2011/65/UE RoHS (refonte) Le texte intégral de la déclaration de conformité de l'UE est disponible à l'adresse internet suivante: www.honeywellaidc.com/compliance. Contact en Europe : Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Pays-Bas	 Honeywell International Inc. dichiara che i tipi di apparecchiature radio, SRD (dispositivi a corto raggio) non specifici (Modelli: EDA52-0, EDA52-1) e cellulari (Modello: EDA52-1) sono conformi alle seguenti direttive: • 2014/53/UE - Apparecchiature radio • RoHS 2011/65/UE (rifiutone) Il testo completo della Dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: www.honeywellaidc.com/compliance. Contatto in Europa: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Paesi Bassi	 Honeywell International Inc. erklärt hiermit, dass das nicht näher spezifizierte SRD (Modell: EDA52-0, EDA52-1) bzw. Mobilfunkgerät (Modell: EDA52-1) folgende Richtlinien erfüllt: • Richtlinie 2014/53/EU (Funkanlagen) • 2011/65/EU RoHS (Recast) Die vollständige EU Konformitätserklärung finden Sie im Internet unter: www.honeywellaidc.com/compliance. Ansprechpartner Europa: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Niederlande	 Honeywell International Inc. declara que los tipos de equipo de radio, dispositivos de corto alcance (SRD) no específicos (modelos: EDA52-0, EDA52-1) y móviles (modelo: EDA52-1), cumplen con las directivas siguientes: • 2014/53/UE sobre equipos de radio • 2011/65/UE RoHS (Reformulada) El texto completo de la declaración de conformidad de la UE está disponible en la siguiente dirección de internet: www.honeywellaidc.com/compliance. Contacto europeo: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Países Bajos	 Honeywell International Inc. declara que los tipos de equipo de radio, SRD no específicos (modelos: EDA52-0, EDA52-1) y celulares (modelo: EDA52-1), son conforme a las siguientes directivas: • Normativa 2014/53/UE sobre equipos radioeléctricos • 2011/65/UE RoHS (Reformulada) El texto completo de la declaración de conformidad UE está disponible en la siguiente dirección de internet: www.honeywellaidc.com/compliance. Contacto europeo: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Países Bajos
 Por meio deste documento, a Honeywell International Inc. declara que os tipos de equipamento de rádio, sem SRD específico (modelos: EDA52-0, EDA52-1) e celular (modelo: EDA52-1), estão em conformidade com as seguintes diretivas: • Equipamento de rádio 2014/53/UE • 2011/65/UE RoHS (Reformulação) O texto completo da declaração de conformidade da União Europeia está disponível em www.honeywellaidc.com/compliance. Contato na Europa: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen Holanda	 Honeywell International Inc. 特此聲明，無線電設備類型「非特定 SRD」（型號：EDA52-0, EDA52-1）和「蜂窩式」（型號：EDA52-1）符合以下指令的規範： • 2014/53/UE 無線電設備 • 2011/65/UE RoHS（新版） 關於歐盟符合性聲明的全文，請訪問以下網址：www.honeywellaidc.com/compliance。 歐洲聯絡資訊： Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen The Netherlands	 Honeywell International Inc. 特此聲明，無線電設備類型「非特定 SRD」（型號：EDA52-0, EDA52-1）和「蜂窩式」（型號：EDA52-1）符合下列指令的規範： • 2014/53/UE 無線電設備 • 2011/65/UE RoHS（重訂） 如需歐盟符合性聲明的全文，請造訪下列網址：www.honeywellaidc.com/compliance。 歐洲聯絡資訊： Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen The Netherlands	 Honeywell International Inc. は、無線装置タイプ、非特定 SRD（モデル：EDA52-0, EDA52-1）および移動体通信（モデル：EDA52-1）が、以下の指令に準拠することをごに宣言します。 • 2014/53/EU 無線機器 • 2011/65/EU RoHS（改正） EU 適合宣言書の全文は、www.honeywellaidc.com/compliance で利用可能です。 欧州でのお問い合わせ： Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen The Netherlands	 Honeywell International Inc. 는 무선 장비 유형, 일반 SRD (모델: EDA52-0, EDA52-1) 및 셀룰러 (모델: EDA52-1) 가 다음 지침을 준수함을 선언합니다. • 2014/53/EU 무선 장비 • 2011/65/EU RoHS (Recast) EU 준수 선언문의 전문은 인터넷 주소 www.honeywellaidc.com/compliance 에서 참조할 수 있습니다. 유럽 연락처: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen The Netherlands	 Настоящим компания Honeywell International Inc. заявляет, что радиосистемы ближнего действия (модели EDA52-0, EDA52-1) и мобильные системы (модель EDA52-1) соответствуют следующим директивам: • Директива 2014/53/EC по радиоборудованию • 2011/65/ЕС Директива RoHS (исправленная) Полный текст декларации соответствия стандартам ЕС доступен на странице www.honeywellaidc.com/compliance. Контактное лицо в Европе: Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen The Netherlands	 تعلن شركة International أن أنواع المعدات اللاسلكي والأجهزة القصيرة المدى (SRD) القريبة (نموذج: EDA52-0, EDA52-1، EDA52-1)، متوافقة مع التوجيهات التالية: • جهاز الإرسال الاسلكي وفقا لوائح الاتحاد الأوروبي: 2014/53 • توجيهات الاتحاد الأوروبي 2011/65 (المعاد صياغتها) الاتحاد الأوروبي. يمكن الاطلاع على النص الكامل لإعلان المطابقة وفقا لوائح الاتحاد الأوروبي على الموقع التالي: www.honeywellaidc.com/compliance Honeywell Productivity Solutions BV Lagelandseweg 70 6545CG Nijmegen هولندا

United Kingdom Contact: United Kingdom Honeywell Scanning and Mobility, Honeywell House, Skipped Hill Lane, Bracknell, Berkshire, RG12 1EB Phone: +44 (0)1344921052

The equipment is intended for use throughout the European Community.

Operating Frequency Ranges
Model: EDA52-1

- 13-14 MHz (NFC): -19.45 dBμA/m @10 m EIRP
- 2400-2483.5 MHz (PAN Bluetooth): 6.86 dBm EIRP
- 2400-2483.5 MHz (Bluetooth Low Energy): 6.79 dBm EIRP
- 2400-2483.5 MHz (WLAN IEEE 802.11b/g/n): 17.46 dBm EIRP
- 5150-5350 MHz, 5470-5725 MHz and 5725-5875 MHz (WLAN/RLAN IEEE 802.11a/n/ac): 17.93 dBm, 17.82 dBm, and 13.91 dBm (5G B4) EIRP
- 1710-1785 / 1805-1880 MHz (LTE Band 3, Tx/Rx): 23.21 dBm
- 2500-2570 / 2620-2690 MHz (LTE Band 7, Tx/Rx): 22.33 dBm
- 832-862 / 791-821 MHz (LTE Band 20, Tx/Rx): 24.27 dBm
- 1920-1980 / 2110-2170 MHz (LTE Band 1, Tx/Rx): 22.73 dBm
- 880-915 / 925-960 MHz (LTE Band 8, Tx/Rx): 22.15 dBm
- 703-748 / 758-803 MHz (LTE Band 28, Tx/Rx): 23.85 dBm
- 2570-2620 MHz (LTE Band 38): 22.92 dBm
- 2300-2400MHz (LTE Band 40): 22.64 dBm
- 880-915 / 925-960 MHz (UMTS 900 Band, Tx/Rx): 23.90 dBm
- 1920-1980 / 2110-2170 MHz (UMTS 2100 Band, Tx/Rx): 24.99 dBm
- 880-915 / 925-960 MHz (GSM/EGPRS GSM 900 Band, Tx/Rx): 33.71 dBm
- 1710-1785 / 1805-1880 MHz (GSM/EGPRS DCS 1800 Band, Tx/Rx): 30.89 dBm

Restrictions (Revision ERC/REC 70-03 E 2017-02, Annex 3 Band A: 2400-2483.5 MHz):

AZ	No license needed if used indoor and power not exceeding 30 mW.
IT	The public use is subject to general authorization by the respective service provider.
RU	SRD with FHSS modulation • Maximum 2.5 mW EIRP. • Maximum 100 mW EIRP. Permitted for use SRD for outdoor applications without restriction on installation height only for purposes of gathering telemetry information for automated monitoring and resources accounting systems. Permitted to use SRD for other purposes for outdoor applications only when the installation height is not exceeding 10 m above the ground surface. SRD with DSSS and other than FHSS wideband modulation • Maximum mean EIRP density is 2 mW/MHz. Maximum 100 mW EIRP. • Maximum mean EIRP density is 20 mW/MHz. Maximum 100 mW EIRP. It is permitted to use SRD for outdoor applications only for purposes of gathering telemetry information for automated monitoring and resources accounting systems or security systems. • Maximum mean EIRP density is 10 mW/MHz. Maximum 100 mW EIRP. Indoor applications
UA	EIRP =100 mW with built-in antenna with amplification factor up to 6 dBi

Models: EDA52-0

- 13-14 MHz (NFC): -19.56 dBμA/m @10 m EIRP
- 2400-2483.5 MHz (PAN Bluetooth): 6.86 dBm EIRP
- 2400-2483.5 MHz (Bluetooth Low Energy): 6.79 dBm EIRP
- 2400-2483.5 MHz (WLAN IEEE 802.11b/g/n): 17.46 dBm EIRP
- 5150-5350 MHz, 5470-5725 MHz and 5725-5875 MHz (WLAN/RLAN IEEE 802.11a/n/ac): 17.93 dBm, 17.82 dBm, and 13.91 dBm (5G B4) EIRP

802.11a/b/g/n/ac, Bluetooth and NFC
European Community Restrictions: 5150-5350 MHz is for indoor use only.

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

Restrictions (Revision ERC/REC 70-03 E 2017-02, Annex 13 Band E1: 5150-5350 MHz, Band E2: 5470-5725 MHz):	
AZ	No license needed if used indoor and power not exceeding 30 mW

Restrictions (Revision ERC/REC 70-03 E 2017-02, Annex 9 Band J2: 13553-13567 kHz):	
AZ	Not implemented or no information.
BY	Not implemented.
GE	Not implemented.
RU	Maximum magnetic field strength is +42 dBμA/m at 10 m.
UA	The maximal strength of magnetic field on the distance of 10 m from a construction where the radiator is placed is 42 dBμA/m.

L'équipement est prévu pour une utilisation dans les pays de la Communauté européenne.	
Plages de fréquences de fonctionnement : Modèle: EDA52-0 13 à 14 MHz (NFC): PIRE -19.56 dBµA/m @10 m 2 400 à 2 483.5 MHz (PAN Bluetooth): PIRE 6.86 dBm 2 400 à 2 483.5 MHz (Bluetooth à basse énergie): PIRE 6.79 dBm 2 400 à 2 483.5 MHz (WLAN IEEE 802.11b/g/n): PIRE 17.46 dBm 5 150 à 5 350 MHz, 5 470 à 5 725 MHz et 5 725 à 5 850 MHz (WLAN/RLAN IEEE 802.11a/n/ac): PIRE 17.93 dBm et 17.82 dBm et 13.91 dBm (5G B4) Modèle: EDA52-1 13 à 14 MHz (NFC): PIRE -19.45 dBµA/m @10 m 2 400 à 2 483.5 MHz (PAN Bluetooth): PIRE 6.86 dBm 2 400 à 2 483.5 MHz (Bluetooth à basse énergie): PIRE 6.79 dBm 2 400 à 2 483.5 MHz (WLAN IEEE 802.11b/g/n): PIRE 17.46 dBm 5 150 à 5 350 MHz, 5 470 à 5 725 MHz et 5725 à 5850 MHz (WLAN/RLAN IEEE 802.11a/n/ac): PIRE 17.93 dBm et 17.82 dBm et 13.91 dBm (5G B4) 1 710 à 1 785 / 1 805-1 880 MHz (LTE bande 3, Tx/Rx): 23.21 dBm 2 500 à 2 570 / 2 620 à 2 690 MHz (LTE bande 7, Tx/Rx): 22.33 dBm 832 à 862 / 791 à 821 MHz (LTE bande 20, Tx/Rx):24.27 dBm 1 920 à 1980 / 2 110 à 2 170 MHz (LTE bande 1,Tx/Rx): 22.73 dBm 880 à 915 / 925 à 960 MHz (LTE bande 8, Tx/Rx): 23.15 dBm 703 à 748 / 758 à 803 MHz (LTE bande 28, Tx/Rx): 23.85 dBm 2 570 à 2 620 MHz (LTE bande 38): 22.92 dBm 2 300 à 2 400 MHz (LTE bande 40): 22.64 dBm 880 à 915 / 925 à 960 MHz (bande de 900 MHz pour UMTS, Tx/Rx): 23.90 dBm 1 920 à 1 980 / 2 110 à 2 170 MHz (bande de 2100 MHz pour UMTS, Tx/Rx): 24.99 dBm 880 à 915 / 925 à 960 MHz (bande de 900 MHz pour GSM/EGPRS GSM, Tx/Rx): 33.71 dBm 1 710 à 1 785 / 1 805 à 1 880 MHz (bande de 1800 MHz pour GSM/EGPRS DCS, Tx/Rx): 30.89 dBm	
Restrictions (révision ERC/REC 70-03 E 2017-02, Annexe 3 bande A : 2 400 à 2 483,5 MHz)	
AZ	Aucune licence nécessaire pour une utilisation à l'intérieur et une puissance ne dépassant pas 30 mW.
IT	L'usage public est soumis à une autorisation générale du fournisseur de service respectif.
RU	Appareil de faible portée (SRD) avec modulation FHSS - Puissance isotrope rayonnée équivalente (PIRE) maximale 2,5 mW. - Puissance isotrope rayonnée équivalente (PIRE) maximale 100 mW. L'usage du SRD est autorisé pour les applications extérieures sans restriction de hauteur d'installation et uniquement à des fins de collecte de données de télémétrie pour la surveillance automatisée et les systèmes de comptabilité des ressources. L'usage du SRD est autorisé à d'autres fins pour les applications extérieures uniquement lorsque la hauteur d'installation ne dépasse pas les 10 m au-dessus de la surface du sol. - Puissance isotrope rayonnée équivalente (PIRE) maximale 100 mW. Applications à l'intérieur SRD avec DSSS et une technique autre que la modulation FHSS à large bande - La densité de PIRE moyenne maximale est de 2 mW/MHz. Puissance isotrope rayonnée équivalente (PIRE) maximale 100 mW.. - La densité de PIRE moyenne maximale est de 20 mW/MHz. Puissance isotrope rayonnée équivalente (PIRE) maximale 100 mW. Il est permis d'utiliser le SRD pour les applications extérieures uniquement aux fins de la collecte de données de télémétrie pour la surveillance automatisée et les systèmes de comptabilité des ressources ou les systèmes de sécurité. - La densité de PIRE moyenne maximale est de 10 mW/MHz. Puissance isotrope rayonnée équivalente (PIRE) maximale 100 mW. Applications à l'intérieur
UA	PIRE = 100 mW avec une antenne intégrée dotée d'un facteur d'amplification jusqu'à 6 dBi

Das Gerät kann innerhalb der gesamten Europäischen Gemeinschaft verwendet werden.

Betriebsfrequenzbereiche:
Modelle: EDA52-0

- 13–14 MHz (NFC): -19.56 dBµA/m @10 m EIRP
- 2400–2483.5 MHz (PAN Bluetooth): 6.86 dBm EIRP
- 2400–2483.5 MHz (Bluetooth Low Energy): 6.79 dBm EIRP
- 2400–2483.5 MHz (WLAN IEEE 802.11b/g/n): 17.46 dBm EIRP
- 5150–5350 MHz, 5470–5725 MHz und 5725–5850 MHz (WLAN/RLAN IEEE 802.11a/n/ac): 17.93 dBm, 17.82 dBm und 13.91 dBm (5G B4)

Modelle: EDA52-1

- 13–14 MHz (NFC): -19.45 dBµA/m @10 m EIRP
- 2400–2483.5 MHz (PAN Bluetooth): 6.86 dBm EIRP
- 2400–2483.5 MHz (Bluetooth Low Energy): 6.79 dBm EIRP
- 2400–2483.5 MHz (WLAN IEEE 802.11b/g/n): 17.46 dBm EIRP
- 5150–5350 MHz, 5470–5725 MHz und 5725–5850 MHz (WLAN/RLAN IEEE 802.11a/n/ac): 17.93 dBm, 17.82 dBm und 13.91 dBm (5G B4) EIRP
- 1710–1785 / 1805–1880 MHz (LTE Band 3, Tx/Rx): 23.21 dBm
- 2500–2570 / 2620–2690 MHz (LTE Band 7, Tx/Rx): 22.33 dBm
- 832–862 / 791–821 MHz (LTE Band 20, Tx/Rx): 24.27 dBm
- 1920–1980 / 2110–2170 MHz (LTE Band 1,Tx/Rx): 22.73 dBm
- 880–915 / 925–960 MHz (LTE Band 8, Tx/Rx): 23.15 dBm
- 703–748 / 758–803 MHz (LTE Band 28, Tx/Rx): 23.85 dBm
- 2570–2620 MHz (LTE Band 38): 22.92 dBm
- 2300–2400MHz (LTE Band 40): 22.64 dBm
- 880–915 / 925–960 MHz (UMTS 900-Band, Tx/Rx): 23.90 dBm
- 1920–1980 / 2110–2170 MHz (UMTS 2100-Band, Tx/Rx): 24.99 dBm
- 880–915 / 925–960 MHz (GSM/EGPRS GSM 900-Band, Tx/Rx): 33.71 dBm
- 1710–1785 / 1805–1880 MHz (GSM/EGPRS DCS-1800 Band, Tx/Rx): 30.89 dBm

Einschränkungen (Revision ERC/REC 70-03 E 2017-02, Anhang 3 Band A: 2400–2483,5 MHz)	
AZ	Bei einer Verwendung in Innenräumen und einer Leistung unter 30 mW ist keine Lizenz erforderlich.
IT	Die öffentliche Verwendung muss vom jeweiligen Dienstanbieter genehmigt werden.
RU	SRD mit FHSS-Modulation - Max. 2,5 mW EIRP. - Max. 100 mW EIRP. SRD im Außenbereich ohne Einschränkungen der Montagehöhe ausschließlich zur Erfassung von Telemetriedaten zur automatischen Überwachung und Bestandsverfolgung zulässig. SRD im Außenbereich zu anderen Zwecken nur bei einer Montagehöhe bis zu 10 m über dem Boden zulässig. - Max. 100 mW EIRP. Anwendungen im Innenbereich. SRD mit DSSS usw. (ausgenommen FHSS-Breitbandmodulation) - Die max. durchschnittliche EIRP-Dichte beträgt 2 mW/MHz. Max. 100 mW EIRP. - Die max. durchschnittliche EIRP-Dichte beträgt 20 mW/MHz. Max. 100 mW EIRP. SRD im Außenbereich ausschließlich zur Erfassung von Telemetriedaten zur automatischen Überwachung und Bestandsverfolgung oder für Sicherheitssysteme zulässig. - Die max. durchschnittliche EIRP-Dichte beträgt 10 mW/MHz. Max. 100 mW EIRP. Anwendungen im Innenbereich.
UA	EIRP =100 mW mit integrierter Antenne mit Verstärkungsfaktor von bis zu 6 dBi.

Оборудование предназначено для эксплуатации на всей территории Европейского сообщества.

Рабочий диапазон частот:
Модели: EDA52-0

- 13–14 МГц (NFC): EIRP -19.56 дБмкА/м @10 м
- 2402–2480 МГц (Bluetooth-PAN): EIRP 6.86 дБм
- 2402–2480 МГц (технология Bluetooth с низким энергопотреблением): EIRP 6.79 дБм
- 2412–2472 МГц (WLAN 2.4G IEEE 802.11b/g/n): EIRP 17.46 дБм
- 5150–5350 МГц, 5470–5725 МГц и 5725–5850 МГц (WLAN/RLAN IEEE 802.11a/n/ac): EIRP 17.93 дБм 17.82 дБм и 13.91 дБм

Модели: EDA52-1

- 13–14 МГц (NFC): EIRP -19.45 дБмкА/м @10 м
- 2402–2480 МГц (Bluetooth-PAN): EIRP 6.86 дБм
- 2402–2480 МГц (технология Bluetooth с низким энергопотреблением): EIRP 6.79 дБм
- 2412–2472 МГц (WLAN 2.4G IEEE 802.11b/g/n): EIRP 17.46 дБм
- 5150–5350 МГц, 5470–5725 МГц и 5725–5850 МГц (WLAN/RLAN IEEE 802.11a/n/ac): EIRP 17.93 дБм 17.82 дБм и 13.91 дБм
- 1710–1785 / 1805–1880 МГц (LTE Band 3, Tx/Rx): 23.21 дБм
- 2500–2570 / 2620–2690 МГц (LTE Band 7, Tx/Rx): 22.33 дБм
- 832–862 / 791–821 МГц (LTE Band 20, Tx/Rx): 24.27 дБм
- 1920–1980 / 2110–2170 МГц (LTE Band 1,Tx/Rx): 22.73 дБм
- 880–915 / 925–960 МГц (LTE Band 8, Tx/Rx): 23.15 дБм
- 703–748 / 758–803 МГц (LTE Band 28, Tx/Rx): 23.85 дБм
- 2570–2620 МГц (LTE Band 38): 22.92 дБм
- 2300–2400 МГц (LTE Band 40): 22.64 дБм
- 880–915 / 925–960 МГц (диапазон UMTS 900, Tx/Rx): 23.90 дБм
- 1920–1980 / 2110–2170 МГц (диапазон UMTS 2100, Tx/Rx): 24.99 дБм
- 880–915 / 925–960 МГц (диапазон GSM/EGPRS GSM 900, Tx/Rx): 33.71 дБм
- 1710–1785 / 1805–1880 МГц (диапазон GSM/EGPRS DCS 1800, Tx/Rx): 30.89 дБм

Ограничения (проверка ERC/REC 70-03 E 2017-02, приложение 3, диапазон A: 2400–2483,5 МГц)	
AZ	При эксплуатации в помещении с мощностью не более 30 мВт разрешение не требуется.
IT	Общественное использование оборудования возможно с разрешения соответствующего поставщика услуг.
RU	Устройство малого радиуса действия (SRD) с модуляцией FHSSMaximum 2.5 mW EIRP. - Максимальная эффективная изотропно излучаемая мощность (EIRP) 2,5 мВт. - Максимальная эффективная изотропно излучаемая мощность (EIRP) 100 мВт. Эксплуатация SRD разрешена только вне помещений без ограничений по высоте установки и для сбора данных телеметрии для систем автоматического управления и учета ресурсов. Разрешается эксплуатировать SRD в других целях только вне помещений, если высота установки не превышает 10 м над уровнем земли. - Максимальная эффективная изотропно излучаемая мощность (EIRP) 100 мВт. Эксплуатация внутри помещений.SRD with DSSS and other than FHSS wideband modulation - Максимальная средняя плотность EIRP 2 мВт/МГц. Максимальная эффективная изотропно излучаемая мощность (EIRP) 100 мВт - Максимальная средняя плотность EIRP 20 мВт/МГц. Максимальная эффективная изотропно излучаемая мощность (EIRP) 100 мВт. Эксплуатация SRD разрешена только вне помещений для сбора данных телеметрии для систем автоматического управления, учета ресурсов или безопасности. - Максимальная средняя плотность EIRP 10 мВт/МГц. Максимальная эффективная изотропно излучаемая мощность (EIRP) 100 мВт. Эксплуатация внутри помещений.
UA	EIRP = 100 мВт со встроенной антенной с коэффициентом усиления до 6 дБи.

Bu donanım, Avrupa Birliği ülkelerinin tümünde kullanılabilir.

Çalışma Frekans Aralıkları:
Modeller: EDA52-0

- 13 - 14 MHz (NFC): -19.56 dBµA/m @10 m EIRP
- 2400 - 2483.5 MHz (PAN Bluetooth): 6.86 dBm EIRP
- 2400 - 2483.5 MHz (Bluetooth Düşük Enerji): 6.79dBm EIRP
- 2400 - 2483.5 MHz (WLAN IEEE 802.11b/g/n): 17.46 dBm EIRP
- 5150 - 5350 MHz, 5470 - 5725 MHz ve 5725 - 5850 MHz (WLAN/RLAN IEEE 802.11a/n/ac): 17.93 dBm 17.82 dBm ve 13.91 dBm (5G B4) EIRP

Modeller: EDA52-1

- 13 - 14 MHz (NFC): -19.45 dBµA/m @10 m EIRP
- 2400 - 2483.5 MHz (PAN Bluetooth): 6.86 dBm EIRP
- 2400 - 2483.5 MHz (Bluetooth Düşük Enerji): 6.79 dBm EIRP
- 2400 - 2483.5 MHz (WLAN IEEE 802.11b/g/n): 17.46 dBm EIRP
- 5150 - 5350 MHz, 5470 - 5725 MHz ve 5725 - 5850 MHz (WLAN/RLAN IEEE 802.11a/n/ac): 17.93 dBm 17.82 dBm ve 13.91 dBm (5G B4) EIRP
- 1710 - 1785 / 1805 - 1880 MHz (LTE Bant 3, Tx/Rx): 23.21 dBm
- 2500 - 2570 / 2620 - 2690 MHz (LTE Bant 7, Tx/Rx): 22.33 dBm
- 832 - 862 / 791 - 821 MHz (LTE Bant 20, Tx/Rx): 24.27 dBm
- 1920 - 1980 / 2110 - 2170 MHz (LTE Bant 1,Tx/Rx): 22.73 dBm
- 880 - 915 / 925 - 960 MHz (LTE Bant 8, Tx/Rx): 23.15 dBm
- 703 - 748 / 758 - 803 MHz (LTE Bant 28, Tx/Rx): 23.85 dBm
- 2570 - 2620 MHz (LTE Bant 38): 22.92 dBm
- 2300 - 2400 MHz (LTE Bant 40): 22.64 dBm
- 880 - 915 / 925 - 960 MHz (UMTS 900 Bant, Tx/Rx): 23.90 dBm
- 1920 - 1980 / 2110 - 2170 MHz (UMTS 2100 Bant, Tx/Rx): 24.99 dBm
- 880 - 915 / 925 - 960 MHz (GSM/EGPRS GSM 900 Bant, Tx/Rx): 33.71 dBm
- 1710 - 1785 / 1805 - 1880 MHz (GSM/EGPRS DCS 1800 Bant, Tx/Rx): 30.89 dBm

Kısıtlamalar (Revizyon ERC / REC 70-03 E 2017-02, Ek 3 Bant A: 2400 – 2483,5 MHz)	
AZ	İç mekanlarda ve 30 mW'ı aşmayan güç kullanıldığında lisans gerekli değildir.
IT	Kamu kullanımını, ilgili hizmet sağlayıcısı tarafından genel izne tabidir.
RU	FHSS modüasyonlu SRD - Maksimum 2,5 mW EIRP. - Maksimum 100 mW EIRP. Kurulum yüksekliğinde kısıtlama olmaksızın dış mekan uygulamaları için SRD kullanımına yalnızca otomatik izleme ve kaynak hesaplama sistemleri için telemetri bilgileri toplamak amacıyla izin verilir. Yalnızca kurulum yüksekliği zemin yüzeyinden maksimum 10 m yukarıda olduğunda dış mekan uygulamalarında diğer amaçlar için SRD kullanımına izin verilir. - Maksimum 100 mW EIRP. İç mekan uygulamaları. FHSS geniş bant modülasyonu dışında DSSS'li SRD - Maksimum ortalama EIRP yoğunluğu 2 mW/MHz'dir. Maksimum 100 mW EIRP. - Maksimum ortalama EIRP yoğunluğu 20 mW/MHz'dir. Maksimum 100 mW EIRP. Dış mekan uygulamaları için yalnızca otomatik izleme ve kaynak hesaplama sistemleri veya güvenlik sistemleri için telemetri bilgileri toplamak amacıyla SRD kullanımına izin verilir. - Maksimum ortalama EIRP yoğunluğu 10 mW/MHz'dir. Maksimum 100 mW EIRP. İç mekan uygulamaları.
UA	EIRP = 100 mW, amplifikasyon faktörü 6 dBi'ye kadar olan dahilî anten ile.

802.11a/b/g/n/ac, Bluetooth et NFC
Restrictions : la bande de fréquences 5 150-5 350 MHz est limitée à une utilisation à l'intérieur uniquement.

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

Restrictions (révision ERC/REC 70-03 E 2017-02, Annexe 13 bande E1 : 5 150 à 5 350 MHz, bande E2 : 5 470 à 5 725 MHz)	
AZ	Aucune licence nécessaire pour une utilisation à l'intérieur et une puissance ne dépassant pas30 mW.

Restrictions (révision ERC/REC 70-03 E 2017-02, Annexe 9 bande J2 : 13 553 à 13 567 KHz) :	
AZ	Non applicable ou aucune information.
BY	Non applicable.
GE	Non applicable.
RU	L'intensité maximale du champ magnétique est +42 dBµA/m à 10 m.
UA	L'intensité maximale du champ magnétique à une distance de 10 m d'une construction dans laquelle le radiateur est placé est de 42 dBµA/m.

802.11a/b/g/n/ac, Bluetooth und NFC
Einschränkungen : 5150–5350 MHz ist nur für den Einsatz im Innenbereich vorgesehen.

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

Einschränkungen (Revision ERC/REC 70-03 E 2017-02, Anhang 13 Band E1: 5150–5350 MHz, Band E2: 5470–5725 MHz)	
AZ	Bei einer Verwendung in Innenräumen und einer Leistung unter 30 mW ist keine Lizenz erforderlich.

Einschränkungen (Revision ERC/REC 70-03 E 2017-02, Anhang 9 Band J2: 13553–13567 kHz): Hinweis: Diese Einschränkung gilt nur für NFC-Modelle.	
AZ	Nicht implementiert oder keine Informationen.
BY	Nicht implementiert.
GE	Nicht implementiert.
RU	Die max. magnetische Feldstärke beträgt +42 dBµA/m bei 10 m.
UA	Die max. magnetische Feldstärke bei einem Abstand von 10 m von einer Konstruktion mit Radiator beträgt 42 dBµA/m.

802.11a/b/g/n/ac, Bluetooth и NFC
Ограничения : полосу радиочастот 5150–5350 МГц предназначены для использования только в помещениях.

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

Ограничения (проверка ERC/REC 70-03 E 2017-02, приложение 13, диапазон E1: 5150-5350 МГц, диапазон E2: 5470-5725 МГц)	
AZ	При эксплуатации в помещении с мощностью не более 30 мВт разрешение не требуется.

Ограничения (проверка ERC/REC 70-03 E 2017-02, приложение 9 диапазон J2: 13553-13567 кГц): Примечание. Это ограничение распространяется только на модели NFC.	
AZ	Не используется или нет данных.
BY	Не используется .
GE	Не используется .
RU	Максимальная сила магнитного поля составляет +42 дБмкА/м на расстоянии 10 м.
UA	Максимальная сила магнитного поля на расстоянии 10 м от места установки радиатора составляет 42 дБмкА/м.

802.11a/b/g/n/ac, Bluetooth ve NFC
Kısıtlamaları: 5150-5350 MHz sadece kapalı alanda kullanımdır.

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

Kısıtlamalar (Revizyon ERC / REC 70-03 E 2017-02, Ek 13 Bant E1: 5150 – 5350 MHz, Bant E2: 5470 – 5725 MHz)	
AZ	İç mekanlarda ve 30 mW'ı aşmayan güç kullanıldığında lisans gerekli değildir.

Kısıtlamalar (Revizyon ERC / REC 70-03 E 2017-02, Ek 9 Bant J2: 13553-13567 kHz):	
AZ	Uygulanmadı veya bilgi yok.
BY	Uygulanmadı.
GE	Uygulanmadı.
RU	Maksimum manyetik alan kuvveti 10 m'de +42 dBµA/m'dir.
UA	Radyatörün yerleştirildiği bir yapıdan 10 m mesafedeki manyetik alanın azamı gücü 42 dBµA/m'dir.

