

# Specifications

## Performance

- Qualcomm MSM 7227A, 1 GHz
- System memory:
  - 512 MB of RAM
  - 1 GB of ROM
- Android operating system

## Display

- 3.7" WVGA TFT, capacitive touch panel
- 800 x 480 resolution

## Multimedia

Formats supported:

Type	Formats
Audio playback	MP3, AMR, WMA
Ringtone	MP3, MIDI, iMelody, WAVE, WMA
Video recording	3GP, MPEG-4, H.263, H.264
Video playback	3GP, MPEG-4, H.263, H.264, WMV

## USB connector

- Micro USB connector
- USB client
- DC power-in (5 V, 1 A)

## Connectivity

- Bluetooth 3.0
- IEEE Wi-Fi 802.11b/g/n WLAN
- GSM 900 / 1800 / 1900

- UMTS 900 / 2100
- HSDPA / GPRS / EDGE
- GPS
- aGPS
- NFC

## Camera

- 5-megapixel
- LED flash

## Expansion

- microSD memory card slot (up to 32 GB)

## Battery

- Rechargeable high density 1300 mAh Lithium-ion battery (replaceable)



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**Note:** Length of battery operation will depend on power consumption which is based on system resource use. For example, constantly using the backlight or using power-demanding applications will shorten battery life between charges.

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## Dimensions

Height	117 mm
Width	58.5 mm
Thickness	11.5 mm
Weight	125 g (with battery)

# Safety

## Battery information

This product uses a Lithium-ion battery. Do not use it in a humid, wet and/or corrosive environment. Do not put, store or leave your product in or near a heat source, in a high temperature location, in strong direct sunlight, in a microwave oven or in a pressurized container, and do not expose it to temperatures over 60 °C (140 °F). Failure to follow these guidelines may cause the battery to leak acid, become hot, explode or ignite and cause injury and/or damage. Do not pierce, open or disassemble the battery. If the battery leaks and you come into contact with the leaked fluids, rinse thoroughly with water and seek medical attention immediately. For safety reasons, and to prolong the lifetime of the battery, charging will not occur at low (below 0 °C/32 °F) or high (over 40 °C/104 °F) temperatures.

The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, buy a new battery. Use only manufacturer approved batteries, and recharge your battery only with manufacturer approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave a fully charged battery connected to the AC charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. These look like metal strips on the battery. This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15 °C and 25 °C (59 °F and 77 °F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged.

Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

## Replacing the battery

Your smartphone uses a Lithium-ion battery. Replace the battery with the same type as that which came bundled with your product. Use of another battery may present a risk of fire or explosion.



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**Warning! Batteries may explode if not handled properly. Do not disassemble or dispose of them in fire. Keep them away from children. Follow local regulations when disposing of used batteries.**

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## Disposal and recycling information



Do not throw this electronic device into the trash when discarding.

 To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit [www.acer-group.com/public/Sustainability/sustainability01.htm](http://www.acer-group.com/public/Sustainability/sustainability01.htm)

*EEE yönetmeligine uygundur.*

It is compliant with EEE regulation.

## Regulatory information

Compliant with Russian regulatory certification



ME61

## RoHS compliance

This product is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

## Prevention of hearing loss



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**Caution: Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.**  
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This device have been tested to comply with the Sound Pressure Level requirement laid down in the applicable EN 50332-1 and/or EN 50332-2 standards.



*A pleine puissance, l'écoute prolongée du baladeur peut endommager l'oreille de l'utilisateur.*



**Note:** For France, mobile headphones or earphones for this device have been tested to comply with the Sound Pressure requirement laid down in the applicable NF EN 50332-1:2000 and/or NF EN 50332-2:2003 standards as required by French Article L. 5232-1.

## Wireless operation channels for different domains

N. America	2.412-2.462 GHz	Ch01 through Ch11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

## France: Products with a 2.4 GHz WLAN device

For products with 2.4 GHz Wireless LAN device operation, certain restrictions apply:

- The maximum authorized power indoors is 100 mW for 2400-2483.5 MHz.
- The maximum authorized power outdoors is 100 mW for 2400-2454 MHz.
- The maximum authorized power outdoors is 10 mW for 2454-2483.5 MHz.

For the latest requirements, see [www.art-telecom.fr](http://www.art-telecom.fr).

*L'utilisation de cet équipement (2.4GHz WLAN) est soumise à certaines restrictions:*

- *La puissance maximale autorisée en intérieur est de 100 mW pour 2400 - 2483.5 MHz.*
- *La puissance maximale autorisée est de 100 mW en extérieur pour 2400 - 2454MHz.*
- *La puissance maximale autorisée est de 10 mW en extérieur pour 2454 - 2483.5MHz.*

*Pour les dernières restrictions, voir [www.art-telecom.fr](http://www.art-telecom.fr).*

## List of National Codes

This equipment may be operated in the following countries:

<b>Country</b>	<b>ISO 3166 2 letter code</b>	<b>Country</b>	<b>ISO 3166 2 letter code</b>
Austria	AT	Malta	MT
Belgium	BE	Netherlands	NT
Cyprus	CY	Poland	PL
Czech Republic	CZ	Portugal	PT
Denmark	DK	Slovakia	SK
Estonia	EE	Slovenia	SL
Finland	FI	Spain	ES
France	FR	Sweden	SE
Germany	DE	United Kingdom	GB
Greece	GR	Iceland	IS
Hungary	HU	Liechtenstein	LI
Ireland	IE	Norway	NO
Italy	IT	Switzerland	CH
Latvia	LV	Bulgaria	BG
Lithuania	LT	Romania	RO
Luxembourg	LU	Turkey	TR

## Certificate Information (SAR)

This device meets the EU requirements (1999/519/EC) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.



The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. To guarantee the safety of all persons, regardless of age and health, the limits include a significant safety buffer.

Before radio devices can be put in circulation, their agreement with European laws or limits must be confirmed; only then may the CE symbol be applied.

The unit of measurement for the European Council's recommended limit for mobile telephones is the "Specific Absorption Rate" (SAR). This SAR limit is 2.0 W/kg, averaged over 10 g of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP) and was included in the European Standard EN 50360 for mobile radio devices. The SAR regulation for mobile telephones is in line with European Standard EN 62209-1. The maximum SAR value is calculated at the highest output level in all frequency bands of the mobile telephone.

For body worn operation, this phone (EU model) has been tested and meets the ICNIRP exposure guidelines, and was included in the European Standard EN 62311 and EN 62209-2 for use with accessories that contain no metal and that position the handset a minimum of 1.5 cm from the body. Use

of other accessories may not ensure compliance with ICNIRP exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.

During use, the actual SAR level is usually much lower than the maximum value, because the mobile telephone works in different output levels. It only transmits with as much output as is required to reach the network. In general the following applies: The closer you are to a base station, the lower the transmission output of your mobile telephone. The tested SAR of this device is as follows:

NCC	CE	
Head (W/kg)	Head (W/kg)	Body (W/kg)
1.68	1.68	0.863

## FCC regulations

This mobile phone 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 mobile phone 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/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## RF exposure warning

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## RF exposure information (SAR)

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

This phone 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.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to

use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value as reported to the FCC when tested for use at the ear is 0.816 W/kg and when worn on the body, as described in this user guide, is 0.959 W/kg for GSM 1900 MHz band.



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**Important: Body-worn measurements differ amount phone models, depending upon available enhancements and FCC requirements.**  
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While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirements.

The FCC has granted an Equipment Authorization for this model of phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model of phone is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/oet/ea/fccid](http://www.fcc.gov/oet/ea/fccid) after searching on FCC ID: HLZDME330NFCCE.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with accessories that contain no metal and that position the handset a minimum of 1 cm from the

body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1 cm from your body when the phone is switched on.

## Certification logos

To view the certification logos on your device: tap **Settings** > **About phone** > **Legal information** > **Certification logo**.



The first screenshot shows the home screen with the 'Settings' app icon. The second screenshot shows the 'Settings' menu with 'About phone' selected. The third screenshot shows the 'About phone' screen with 'Legal information' selected, and a sub-menu where 'Certification logo' is highlighted.

**CE 06820!** 

 À pleine puissance, l'écoute prolongée du baladeur peut endommager l'oreille de l'utilisateur.

 減少電磁波影響，請安適使用  
SAR標準值2.0W/kg，送測產品實測值為1.68 W/kg

 廢電池請回收

**Legal information**

- Open source licenses
- Google legal
- Certification logo**
- Acer Legal

FCC ID: HLZDME330NFCEE

## NCC warning

### 警語

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。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾，減少電磁波影響，請妥善使用。



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**Note:** SAR 標準值 2.0 W/kg; 送測產品實測值為：  
1.68 W/kg  
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## Lithium-ion battery warning



**ATTENZIONE!** Rischio di esplosione della batteria se sostituita in modo errato. Sostituire la batteria con un una di tipo uguale o equivalente consigliata dalla fabbrica. Non disperdere le batterie nell'ambiente.



**VORSICHT!** Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.



**ADVARSELI!** Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.



**WARNING!** Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.



**VAROITUS!** Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suositteluun tyypin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.



**ATTENTION!** Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.



**ADVARSEL!** Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

## Declaration of Conformity

We, Acer Incorporated,  
of 8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist, New Taipei City,  
22181, Taiwan

Declare under sole responsibility that the product:

Model: E330

Description: Smart Handheld

To which this declaration relates, is in conformity with  
the following standards and/or other normative  
documents:

- EN 301 511 V9.0.2
- EN 301 908-1 V5.2.1; EN 301 908-2 V5.2.1
- EN 300 328 V1.7.1
- EN 300 440-1 V1.6.1; EN 300 440-2 V1.4.1
- EN 301 489-1 V1.9.2; EN 301 489-3 V1.4.1; EN  
301 489-7 V1.3.1
- EN 301 489-17 V2.1.1; EN 301 489-24 V1.5.1
- EN 302 291-1 V1.1.1; EN 302 291-2 V1.1.1
- EN 55022:2010/AC:2011 Class B; EN 55024:2010
- EN 55013:2001/A1:2003/A2:2006; EN  
55020:2007
- EN 60950-1: EN 60950-  
1:2006+A11:2009+A1:2010+A12:2011
- EN 50332-1:2000; EN 50332-2:2003

- EN 50360:2001/AC:2006; EN 50364:2010; EN 62311:2008; EN 62209-1:2006;EN 62209-2:2010; EN 62479:2010
- RoHS Directive 2002/95/EC on the Restriction of Use of certain Hazardous Substances in Electrical and Electronic Equipment.
  - The maximum concentration values of the restricted substances by weight in homogenous material are:

Lead	0.1%	Polybrominated Biphenyls (PBB's)	0.1%
Mercury	0.1%	Polybrominated Diphenyl Ethers (PBDE's)	0.1%
Hexavalent Chromium	0.1%	Cadmium	0.01%

We hereby declare that the above named product is in conformance to all the essential requirements of the R&TTE Directive (99/5/EC) issued by the Commission of the European Community.

The conformity assessment procedure referred to in Article 10 and detailed in Annex [IV] of directive 1999/5/EC has been followed related to Articles:

- R&TTE Article 3.1 (a) Health and Safety
- R&TTE Article 3.1 (b) EMC
- R&TTE Article 3.2 Spectrum Usage

with the involvement of the following Notified Body:

**CETECOM, Untertuerkheimer Str. 6 – 10 66117  
Saarbruecken**

Identification mark: **0682** (Notified Body) **CE**

The technical documentation relevant to the above  
equipment will be held at:

Acer Incorporated

8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist, New Taipei  
City, 22181, Taiwan

Authorized person:



Name: Harriot SL Lee

For the address/telephone number of Acer service center,  
please refer to the warranty card.