



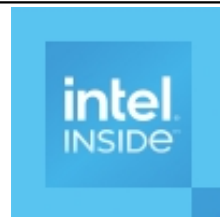
Aspire AGSP14-31PT Specifications (v1-0-1) (Preview)		
Category	Description	Footnotes
Operating system 1	Windows 11 Home	
CPU and chipset 1	Intel® Core™ 3 processor N355 (6 MB Smart Cache, 1.9 GHz with Intel® Turbo Boost Technology 2.0 up to 3.9 GHz) Intel® Processor N250 (6 MB Smart Cache, 1.3 GHz with Intel® Turbo Boost Technology 2.0 up to 3.8 GHz) Intel® Processor N150 (6 MB Smart Cache, 0.8 GHz with Intel® Turbo Boost Technology 2.0 up to 3.6 GHz)	
Memory 1, 2, 3	Single-channel LPDDR5 SDRAM support • 16 GB of onboard LPDDR5 system memory Single-channel LPDDR5 SDRAM support • 8 GB of onboard LPDDR5 system memory	
Display	14.0" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, Acer ComfyView™ LED-backlit TFT LCD supporting multi-touch and AES pen solution 16:10 aspect ratio, color gamut NTSC 45% Wide viewing angle up to 170 degrees Mercury free, environment friendly	
Graphics 1	Intel® Graphics Graphics Special Technology# • VP9, AV1, HEVC, JPEG Decode • VP9, HEVC, JPEG Encode • OpenGL 4.6 • OpenCL 3.0 • DirectX 12.1 • Vulkan 1.3	4
Audio	• Acer Purified.Voice technology with AI noise reduction in dual built-in microphones. Features include far-field pickup, dynamic noise reduction through neural network, adaptive beam forming, and pre-defined personal and conference call modes. • Compatible with Cortana with Voice • Two built-in stereo speakers	
Storage	Solid state drive • 256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe • 128 GB UFS	1, 5
Webcam 1	Video conferencing UFC with • T-Type HD camera	

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	• Compatible with Windows only • 1280 x 720 resolution • 720p HD video at 30 fps with Temporal Noise Reduction • Blue Glass lens • Dual Mic (33 mm + 33 mm) • 78 x 3.2 (5.2) x 3 mm	
Wireless and networking	1 WLAN • 802.11a/b/g/n/ac+ax wireless LAN • Dual Band (2.4 GHz and 5 GHz) • MU-MIMO technology • Supports Bluetooth 5.1 or above	
Security	Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor passwords, Kensington lock slot	1
Dimensions and weight	6, 7 Dimensions • 319.8 (W) x 227.9 (D) x 14.3/22.3 (H) mm (12.59 x 8.97 x 0.56/0.88 inches) Weight • 1.54 kg (3.4 lbs.) with 3-cell battery pack, one SSD	
Power adapter and battery	Power adapter 3-pin 65 W PD PCR 50%, TCO 9.0 AC adapter • 5 V / 3 A or 9 V / 3 A or 12 V / 3 A or 15 V / 3 A or 20 V / 3.25 A as output power • 90.0 (W) x 51.0 (D) x 28.5 (H) mm (3.54 x 2.01 x 1.12 inches) • 192 g ± 10% with 150 cm DC cable • Black color with Acer logo • Brick type AC pins	
Input and control	Keyboard 80-/81-/84-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute Media Keys Media control keys (printed on keyboard): volume up, volume down TouchPad Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification • Moisture resistant Control Keys Acer Sense Key Copilot Key	
Input and output	USB Type-C Two USB Type-C™ ports USB Type-C™ port supporting: • USB 3.2 Gen 2 (up to 10 Gbps)	

Aspire AGSP14-31PT Specifications (v1-0-1) (Preview)		
	• DisplayPort over USB-C • USB charging 5 V; 3 A • DC-in port 19 V; 45 W USB Standard A Two USB Standard-A ports, supporting: • Two ports for USB 3.2 Gen 1 HDMI® 2.1 port with HDCP support 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone	
Sensors	Accelerometer (G-sensor)	
Windows Desktop Apps 8	In-House • Acer QuickPanel Search • AcerSense	
Warranty	One-year International Travelers Warranty (ITW)	
1. Specifications vary depending on model. 2. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment. 3. Memory speed may vary, depending on the CPU, chipset or memory fitted. 4. Not all features indicated are supported on all SKUs 5. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space. 6. Minor variations in system dimensions are possible due to the manufacturing process. 7. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options. 8. Bundled software may vary depending on hardware configuration, OS and regional availability. In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region. As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty. © 2024. All rights reserved. Microsoft and Windows are registered trademarks of Microsoft Corporation. Arc, Arria, Celeron, Cyclone, eASIC, Intel Ethernet, Intel, the Intel logo, Intel Agilex, Intel Atom, Intel Core, Intel Evo, Intel Inside, the Intel Inside logo, Intel Optane, Intel vPro, Iris, Killer, MAX, Movidius, Pentium, Intel RealSense, Intel Select Solutions, Intel Si Photonics, Stratix, the Stratix logo, Tofino, Ultrabook, Xeon are trademarks of Intel Corporation or its subsidiaries. About Acer Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another,		

Aspire AGSP14-31PT Specifications (v1-0-1) (Preview)

creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. Please visit www.acer.com for more information.





Regulatory Information and Safety Guide

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Regulatory Information and Safety Guide

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IMPORTANT SAFETY INFORMATION FOR CHILDREN

CAUTION - ELECTRICALLY OPERATED PRODUCT. THIS IS NOT A TOY. TO AVOID RISK OF ELECTRIC SHOCK OR FIRE IT SHOULD NOT BE USED WITHOUT ADULT SUPERVISION OR PLACED WHERE SMALL CHILDREN CAN REACH IT. CAUTION - ELECTRICALLY OPERATED PRODUCT.

Not recommended for children under 3 years of age. As with all electrical products, precautions should be observed during handling and use of electrical products to reduce the risk of electric shock.

"CAUTION for film bag - Keep away from small children; the thin film may cling to nose and mouth and prevent breathing."

- As with the power supply (adapter) should not be handled by the children, precautions should be observed during handling and use to prevent electric shock and high temperature.
- Children should be very careful while handling the power supply (adapter), in particular plugging the power supply into the receptacle (power outlet).
- The product should not be placed on the bare skin (e.g. lap of a child) for long periods. The laptop should be placed on a flat surface, like a desk or tabletop, if intending to use it for more than a few minutes.
- The product, including power supply and battery pack, as applicable should not be left in the rain or exposure to water. If cleaning is necessary do not immerse in water; wipe clean with a damp cloth.
- The product, including power supply and battery pack, as applicable should not be dropped, crushed (stepped on) or otherwise abused.
- Children should be careful with the cable (wiring) between the power supply (adapter) and laptop, in particular as a potential trip hazard.

An adult should periodically inspect the product for damage, including the power supply and casing around the battery pack, (as applicable, and replace or send for repair if necessary. Similarly, if a child notices damage or broken parts, this should be reported to an adult immediately so that the damaged parts can be replaced or repaired.

TIPS AND INFORMATION FOR COMFORTABLE USE



Important

Some of the information in this guide may not apply to your computer.

Computer users may complain of eyestrain and headaches after prolonged use. Users are also at risk of physical injury after long hours of working in front of a computer. Long work periods, bad posture, poor work habits, stress, inadequate working conditions, personal health and other factors greatly increase the risk of physical injury.

Incorrect computer usage may lead to carpal tunnel syndrome, tendonitis, tenosynovitis or other musculoskeletal disorders. The following symptoms may appear in the hands, wrists, arms, shoulders, neck or back:

- Numbness, or a burning or tingling sensation.
- Aching, soreness or tenderness.
- Pain, swelling or throbbing.
- Stiffness or tightness.
- Coldness or weakness.

If you have these symptoms, or any other recurring or persistent discomfort and/or pain related to computer use, consult a physician immediately and inform your company's health and safety department. The following section provides tips for more comfortable computer use.

Finding your comfort zone

Find your comfort zone by adjusting the viewing angle of the monitor, using a footrest, or raising your sitting height to achieve maximum comfort. Observe the following tips:

- Refrain from staying too long in one fixed posture.

- Avoid slouching forward and/or leaning backward.
- Stand up and walk around regularly to remove the strain on your leg muscles.
- Take short rests to relax your neck and shoulders.
- Avoid tensing your muscles or shrugging your shoulders.
- Install the external display, keyboard and mouse properly and within comfortable reach.
- If you view your monitor more than your documents, place the display at the center of your desk to minimize neck strain.

Taking care of your vision

Long viewing hours, wearing incorrect glasses or contact lenses, glare, excessive room lighting, poorly focused screens, very small typefaces and low-contrast displays could stress your eyes. The following sections provide suggestions on how to reduce eyestrain.

Eyes

- Rest your eyes frequently.
- Give your eyes regular breaks by looking away from the monitor and focusing on a distant point.
- Blink frequently to keep your eyes from drying out.

Display

- Keep your display clean.
- Keep your head at a higher level than the top edge of the display so your eyes point downward when looking at the middle of the display.
- Adjust the display brightness and/or contrast to a comfortable level for enhanced text readability and graphics clarity.
- Eliminate glare and reflections by:
 - placing your display in such a way that the side faces the window or any light source,
 - minimizing room light by using drapes, shades or blinds,
 - using a task light,
 - changing the display's viewing angle,
 - using a glare-reduction filter,

- using a display visor, such as a piece of cardboard extended from the display's top front edge.
- Avoid adjusting your display to an awkward viewing angle.
- Avoid looking at bright light sources for extended periods of time.

Developing good work habits

The following work habits make computer use more relaxing and productive:

- Take short breaks regularly and often.
- Perform some stretching exercises.
- Breathe fresh air as often as possible.
- Exercise regularly and maintain a healthy body.



Warning

We do not recommend using the computer on a couch or bed. If this is unavoidable, work for only short periods, take breaks regularly, and do some stretching exercises.



Warning

To reduce the possibility of heat-related injuries or of overheating the computer, do not place the computer directly on your lap or obstruct the computer air vents. Use the computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or rugs or clothing, to block airflow. Also, do not allow the AC adapter to come into contact with the skin or a soft surface, such as pillows or rugs or clothing, during operation.

Protecting your hearing



Warning

Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.



To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.

BASIC CARE AND TIPS FOR USING YOUR COMPUTER

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

Turning your computer on and off

To turn on the computer, simply press and release the power button. Please refer to the setup poster for the location of the power button.



Note

If you cannot power off the computer normally, press and hold the power button for more than four seconds to shut down the computer. If you turn off the computer and want to turn it on again, wait at least two seconds before powering up.

Taking care of your computer

Your computer will serve you well if you take care of it.

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water or any liquid on the computer.
- Do not drop, bump, scratches, twist, hit, shake push, or place heavy objects on your computer, display, or external devices.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust or dirt.
- Never place objects on top of the computer.
- Do not slam the computer display when you close it.
- Never place the computer on uneven surfaces.
- Where possible, keep all objects at least 15 cm away from the computer to avoid causing computer damage.

General

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use it under sporting, exercising, or any vibrating environment which will probably cause a short-circuit or damage rotor devices, HDD, optical drive, and even exposure risk from the lithium battery pack.
- The bottom surface, areas around ventilation openings and AC adapter may get hot. To avoid injury, ensure they do not come in contact with your skin or body.
- Your device and its enhancements may contain small parts. Keep them out of the reach of small children.
- The surface temperature of the base will rise during normal operation, particularly when plugged in to AC power. Allowing sustained contact with exposed skin can cause discomfort or burns.

Pack your computer carefully

Use a quality carrying case that provides adequate cushioning and protection. Do not pack your computer in a tightly packed suitcase or bag.

Before putting your computer in a carrying case, make sure that it is off or in sleep mode. Do not put a computer in a carrying case while it is turned on.

Safety instructions

Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- The power cord or plug is damaged, cut or frayed.
- Liquid was spilled into the product.
- The product was exposed to rain or water.
- The product has been dropped or the case has been damaged.
- The product exhibits a distinct change in performance, indicating a need for service.
- The product does not operate normally after following the operating instructions.
- The product exhibits a distinct change in performance, indicating a need for service.
- The product does not operate normally after following the operating instructions.



Note

Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.

Cleaning and servicing

When cleaning the computer, follow these steps:

1. Turn off the computer and remove the battery pack if applicable.

2. Disconnect the AC adapter.
3. Use a soft, moist cloth. Do not use liquid or aerosol cleaners.

Prevent Electrostatic discharge: A discharge of static electricity from finger or other electrostatic conductors can seriously damage a battery, or other electronic components and cause loss of information deletion from electrostatic damage to a drive. Before handling an electronic device, discharge static electricity by touching an unpainted metal surface.

Battery and adapter information

Accessing the power

Be sure that the power outlet you plug into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug from the electrical outlet.

Disconnecting the power source

Observe the following guidelines when connecting and disconnecting power to the power supply unit:

Install the power supply unit before connecting to the AC power outlet.

Unplug before removing the power supply unit from the computer.

If the system has multiple sources of power, disconnect power from the system by unplugging all power cords from the power supplies.

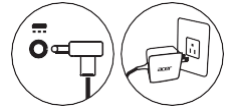
Using electrical power

- Do not connect the adapter to any other device.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.

- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
- If this product's AC adapter is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the AC adapter plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.

**Warning**

To prevent high temperature and device damage, please connect the AC adaptor into DC-in jack on the laptop fully and plug the power cord into electric outlet completely at all times.

**Warning**

The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.

**Note**

The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.

- The system can be powered using a wide range of voltages; 100 to 120 or 220 to 240 V or 100-240 V AC. The power cord included with the system meets the requirements for use in the country/region where the system was purchased. Power cords for use in other countries/regions must meet the requirements for that country/region. For more information on power cord requirements, contact an authorized reseller or service provider.

Guidelines for safe battery usage



Warning

When using a charging cart or a small space to simultaneously charge or operate multiple devices, the area must be well-ventilated and the temperature kept between 0 °C (32 °F) to 35 °C (95 °F) and battery charging must be stopped when 100% capacity is reached. Continuous charging can cause deformation or damage to the battery/device.

Precautions when charging batteries

The useful lifespan of a battery is adversely affected by the following behavior:

- Constantly charging the battery/device when already at full capacity.
- Charging the battery/device at temperatures above 35 °C (95 °F) or below 0 °C (32 °F).

To prevent damage, follow these precautions:

- Stop charging the battery once it reaches 100% capacity; regularly or frequently charging a fully charged battery for an extended period of time may cause battery deformation or damage. We recommend that you recharge the device when the battery level drops below 70% capacity.
- Do not charge battery in temperatures above 35 °C (95 °F) or below 0 °C (32 °F). Charging in abnormally high or abnormally low temperatures can cause battery deformation or damage.
- The charging port must be clean and free from debris and should only be used with Acer charging equipment. Use of a non-Acer battery or charging equipment can cause damage to the product and will void the warranty.
- If you plan to store the device for a long period of time, turn-off the device, remove AC power and store the product at room temperature (0 °C - 35 °C) in a dry (humidity: 45% - 80%), well-ventilated area. Avoid direct sunlight, high temperatures and high humidity. Do not leave your device's battery completely discharged for a long period of time; this may cause battery deformation or damage. We recommend that the battery is checked and charged to approximately 50% capacity every 6 months.

- ONLY CHARGE THE BATTERY IN A CLEAN, WELL VENTILATED AREA.



Warning

Batteries may explode if not handled properly.

Do not disassemble or dispose of batteries in fire.

Do not short external contacts, crush, puncture or otherwise tamper with batteries. Keep batteries away from children.

Follow local regulations when disposing of used batteries.

Precautions when replacing the battery

Improper replacement or mishandling could damage the battery, cause overheating, result in injury, and risk fire or explosion.

- Device with built-in battery: A built-in battery must be replaced by an authorized service center. Do not attempt to replace or remove the battery by yourself.
- Device with removable battery: The battery should only be replaced with parts approved by Acer. Do not replace the battery with any parts other than approved ones.

This notebook uses a Lithium-based battery. Do not use it in a humid, wet 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 50 °C (122 °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 must not occur at temperatures below 0 °C (32 °F) or above 35 °C (95 °F).

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 operation time becomes noticeably shorter than normal, check an authorized reseller to purchase a new battery.

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.

The capacity and lifetime of the battery will be reduced if the battery is left in hot or cold places, such as in a closed car in summer or winter. 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 especially 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.

Wireless devices may be susceptible to interference from the battery, which could affect performance.



Note

Please refer to www.acer.com for battery shipping documents.

Internal battery

- Do not attempt to replace a built-in rechargeable battery, battery replacement must be done by an Acer- authorized repair facility.
- Recharge the battery by following the instruction included in the product documentation.

WARNINGS AND REGULATORY INFORMATION

Optical drives

CAUTION: This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT." In case of any trouble with this device, please contact your nearest AUTHORIZED service station. To prevent direct exposure to the laser beam, do not try to open the enclosure.

CLASS 1 LASER PRODUCT

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.

APPAREIL A LASER DE CLASSE 1 PRODUIT

LASERATTENTION: RADIATION DU FAISCEAU LASER INVISIBLE EN CAS D'OUVERTURE. EVITER TOUTE EXPOSITION AUX RAYONS.

LUOKAN 1 LASERLAITE LASER KLASSE 1

VORSICHT: UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHLL AUSSETZEN

PRODUCTO LÁSER DE LA CLASE I

ADVERTENCIA: RADIACIÓN LÁSER INVISIBLE AL SER ABIERTO. EVITE EXPONERSE A LOS RAYOS.

ADVARSEL: LASERSTRÅLING VEDÅBNING SE IKKE IND I STRÅLEN.

VARO! LAVATTAESSA OLET ALTTINA LASERSÄTEILYLLE.

VARNING: LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD ÅLÅ TUIJOTA SÄTEESEENSTIRRA EJ IN I STRÅLEN

VARNING: LASERSTRÅLNING NAR DENNA DEL ÅR ÖPPNADSTIRRA EJ IN I STRÅLEN

ADVARSEL: LASERSTRÅLING NAR DEKSEL ÅPNESSTIRR IKKE INN I STRÅLEN

Telephone line safety

- Disconnect all telephone lines from the equipment when not in use and/or before servicing.
- To avoid the remote risk of electric shock from lightning, do not connect the telephone line to this equipment during lightning or thunderstorms.

Emergency calls



Warning

You cannot make emergency calls through this device. To make an emergency call you shall dial out through your mobile phone or other telephone call system.

Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF transmissions.

Pacemakers. Pacemaker manufacturers recommend that a minimum separation of 15.3 centimeters (6 inches) be maintained between wireless devices and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should do the following:

- Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker
- Not carry the device near your pacemaker when the device is switched on. If you suspect interference, switch off your device, and move it.

Hearing aids. Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (anti-lock) braking systems, electronic speed control systems, and air bag systems. For more information, check with the manufacturer, or its representative, of your vehicle or any equipment that has been added. Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed, and the air bag inflates, serious injury could result. Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless devices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

Potentially explosive environments



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.

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an

explosion or fire resulting in bodily injury or even death. Switch off the device at refueling points such as near gas pumps at service stations.

Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

Do not switch the notebook on when wireless phone use is prohibited or when it may cause interference or danger.

Disposal instructions

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



ENERGY STAR



Acer's ENERGY STAR qualified products save your money by reducing energy cost and protecting the environment without sacrificing features or performance. Acer is proud to offer our customers products with the ENERGY STAR mark.

What is ENERGY STAR?

Products that are ENERGY STAR qualified use less energy and prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency. Acer is committed to offering products and services worldwide that help customers save money, conserve energy and improve the quality of our environment. The more energy we can save through higher energy efficiency, the more we reduce greenhouse gases and the risks of climate change. More information refers to www.energystar.gov.

**Note**

Information in this section may not apply to your computer.

Acer ENERGY STAR qualified products:

- Produce less heat and reduce cooling loads, and warmer climates.
- Automatically go into "display sleep" and "computer sleep" within 10 and 30 minutes of inactivity respectively (Refer to the settings in Power Management).
- Wake the computer from sleep mode by pushing keyboard or moving mouse.
- Computers will save more than 80% energy at "sleep" mode.

ENERGY STAR and the ENERGY STAR mark are registered U.S. marks

Wireless adapter regulatory information

Radio frequency interference

**Warning**

For safety reasons, turn off all wireless or radio transmitting devices when using your laptop under the following conditions. These devices may include, but are not limited to: wireless LAN (WLAN), Bluetooth and/or cellular.

Remember to follow any special regulations in force in any area, and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. This device meets RF exposure guidelines when used normally. To successfully transmit data files or messages, this device requires a good quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Parts of the device are magnetic. Metallic materials may be attracted to the device, and persons with hearing aids should not hold the device to the ear with the hearing aid. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

Use on aircraft



Warning

FCC and FAA regulations may prohibit airborne operation of radio-frequency wireless devices (wireless adapters) because their signals could interfere with critical aircraft instruments. Ask the cabin crew before turning on your device's wireless adapter whilst on board.

The wireless adapter and your health

The wireless adapter, like other radio devices, emits radio frequency electromagnetic energy. The level of energy emitted by the wireless adapter, however, is less than the electromagnetic energy emitted by other wireless devices such as mobile phones. The wireless adapter operates within the guidelines found in radio frequency safety standards and recommendations. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature. In some situations or environments, the use of the wireless adapter may be restricted by the proprietor of the building or responsible representatives of the applicable organization. Examples of such situations may include:

- Using the wireless adapter on board airplanes, or
- Using the wireless adapter in any other environment where the risk of interference with other devices or services is perceived or identified as being harmful.

If you are uncertain of the policy that applies to the use of wireless adapters in a specific organization or environment (an airport, for example), you are encouraged to ask for authorization to use the adapter before you turn it on.

USA — FCC and FAA

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 limits found in OET Bulletin 65, supplement C, 2001, and ANSI/IEEE C95.1, 1992. Proper operation of this radio according to the instructions found in this manual will result in exposure substantially below the FCC's recommended limits.

- The following safety precautions should be observed:
Do not touch or move antenna while the unit is transmitting or receiving.
- Do not hold any component containing the radio such that the antenna is very close or touching any exposed parts of the body, especially the face or eyes, while transmitting.
- Do not operate the radio or attempt to transmit data unless the antenna is connected; this behavior may cause damage to the radio.
- 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.

FCC radio frequency interference requirements



Note

Applies to device supporting IEEE 802.11a/ac wireless adapters.

This device complies with Part 15 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.
- 15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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/TV technician for help.

RF Exposure warning (SAR)

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.

The exposure standard 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 EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> after searching on FCC ID: HLZAX101NG & HLZMT7902.

Innovation, Science and Economic Development Canada(ISED) Compliance Statement

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

CAN ICES-003 (B)/NMB-003 (B)

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Innovation, Science and Economic Development Canada (ISED) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the ISED Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions. (Antennas are greater than 0mm from a person's body).

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie rayonnée de l'appareil sans fil est inférieure aux limites d'exposition aux radiofréquences d'Innovation, Sciences et Développement économique Canada (ISDE). L'Appareil sans fil doit être utilisé de telle manière que le potentiel de contact humain pendant le fonctionnement normal soit minimisé.

Cet appareil a été évalué et démontré conforme aux limites de débit d'absorption spécifique ("SAR") ISDE lorsqu'il est utilisé dans des conditions d'exposition portables. (Les antennes sont à plus de 0mm du corps d'une personne).

- i) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. (
- (ii)for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit.
- (iii)for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate.

(i) l'appareil destiné à fonctionner dans la bande 5150–5250 MHz est uniquement destiné à une utilisation en intérieur afin de réduire le risque d'interférence nuisible aux systèmes mobiles par satellite à canal commun.

(ii) pour les appareils dotés d'antennes amovibles, le gain d'antenne maximal autorisé pour les appareils dans les bandes 5250-5350 MHz et 5470-5725 MHz doit

être tel que l'équipement reste conforme à la limite de p.i.r.e.

(iii) pour les appareils dotés d'antennes amovibles, le gain d'antenne maximal autorisé pour les appareils dans la bande 5725-5850 MHz doit être tel que l'équipement soit toujours conforme aux limites de p.i.r.e., le cas échéant.

European Union

List of applicable countries

This product must be used in strict accordance with the regulations and constraints in the country of use. For further information, contact the local office in the country of use. Please see https://europa.eu/european-union/about-eu/countries_en for the latest country list.

EU Declaration of Conformity

Hereby, Acer Incorporated declares that the radio equipment type N23H3 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <https://www.acer.com/tw-zh/>

UK Declaration of Conformity

Hereby, Acer Incorporated declares that the radio equipment type N23H3 is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The full text of the UK Declaration of Conformity may be found at the following internet address: <https://www.acer.com/tw-zh/>

Specific absorption rate information

This device meets the EU requirements 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. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR

limit is 2.0 W/kg averaged over 10 grams of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

For body worn operation, this device has been tested and meets the ICNIRP exposure guidelines and the European Standard, for use with dedicated accessories. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines.

The low band 5.15 to 5.35 GHz is for indoor use only.

This equipment complies with the essential requirements of the European Union directive 2014/53/EU. See Statements of European

Union Compliance, and more details refer to the attached Declaration of Conformity.

AX101NGW RF Output power:

Technologies	Frequency range (MHz)	Max. Transmit Power	Note
Bluetooth ER/EDR	2402-2480 MHz	14.2	EIRP
Bluetooth LE	2402-2480 MHz	10	EIRP
WLAN	2412-2472 MHz	19.8	EIRP
	5150-5350 MHz	22.6	EIRP
	5470-5725 MHz	22.6	EIRP
	5725-5875 MHz	13.9	EIRP

MT7902 RF Output power:

Technologies	Frequency range (MHz)	Max. Transmit Power	Note
Bluetooth ER/EDR	2402-2480 MHz	19.96	EIRP
Bluetooth LE	2402-2480 MHz	10.73	EIRP
WLAN	2412-2472 MHz	19.74	EIRP
	5150-5350 MHz	22.82	EIRP
	5470-5725 MHz	22.71	EIRP
	5725-5875 MHz	13.88	EIRP

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

Italy

The use of this equipment is regulated by:

1. D.L.gs 1.8.2003, n. 259, article 104 (activity subject to general authorization) for outdoor use and article 105 (free use) for indoor use, in both cases for private use.
2. D.M. 28.5.03, for supply to public of RLAN access to networks and telecom services.

L'uso degli apparati è regolamentato da:

- 1.D.L.gs 1.8.2003, n. 259, articoli 104 (attività soggette ad autorizzazione generale) se utilizzati al di fuori del proprio fondo e 105 (libero uso) se utilizzati entro il proprio fondo, in entrambi i casi per uso private.
- 2.D.M. 28.5.03, per la fornitura al pubblico dell'accesso R-LAN alle reti e ai servizi di telecomunicazioni.

Belgium

Dans le cas d'une utilisation privée, à l'extérieur d'un bâtiment, au-dessus d'un espace public, aucun enregistrement n'est nécessaire pour une distance de moins de 300 m. Pour une distance supérieure à 300 m un enregistrement auprès de l'IBPT est requise. Pour les enregistrements et licences, veuillez contacter l'IBPT.

In geval van privé-gebruik, buiten een gebouw, op een openbare plaats, is geen registratie nodig, wanneer de afstand minder dan 300 m is. Voor een afstand groter dan 300 m is een registratie bij BIPT vereist. Voor registraties en licenties, gelieve BIPT te contactere.

Brazil

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

Pakistan

Pakistan Telecommunication Authority (PTA) Approved.

Morocco

The operation of this product in the radio channel 2 (2417 MHz) is not authorized in the following cities: Agadir, Assa-Zag, Cabo Negro, Chaouen, Goulmima, Oujda, Tan Tan, Taourirt, Taroudant and Taza.

The operation of this product in the radio channels 4, 5, 6 and 7 (2425 - 2442 MHz) is not authorized in the following cities: Aéroport

Mohamed V, Agadir, Aguelmous, Anza, Benslimane, Béni Hafida, Cabo Negro, Casablanca, Fès, Lakbab, Marrakech, Merchich, Mohammédia, Rabat, Salé, Tanger, Tan Tan, Taounate, Tit Mellil, Zag.

Japan

5 GHz 帯は室内でのみ使用のこと

Korea

당해 무선설비는 운용 중 전파혼신 가능성이 있음

Taiwan

第十二條

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。

第十四條

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。

Modifications to the product

Acer cannot be held responsible for unauthorized modifications made by the user and the consequences thereof, which may alter the conformity of the product.

Compliant with Russian regulatory certification

