

## Aspire ASP14-51MTN (Win11) Specifications (v1-0-0) (Preview)

Category	Description	Footnotes
Operating system	1 Windows 11 Home	
CPU and chipset	<p>1 <b>Intel® Core™ 7 processor 150U</b> (12 MB Smart Cache, 1.8 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 5.4 GHz), supporting hybrid core architecture with Performance-core and Efficient-core</p> <p><b>Intel® Core™ 5 processor 120U</b> (12 MB Smart Cache, 1.4 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 5.0 GHz), supporting hybrid core architecture with Performance-core and Efficient-core</p> <p><b>Intel® Core™ 3 processor 100U</b> (10 MB Smart Cache, 1.2 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.7 GHz), supporting hybrid core architecture with Performance-core and Efficient-core</p>	
Memory	<p>1, 2, 3 Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> <li>32 GB of onboard LPDDR5 system memory</li> </ul> <p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> <li>16 GB of onboard LPDDR5 system memory</li> </ul> <p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> <li>8 GB of onboard LPDDR5 system memory</li> </ul> <p>Memory Frequency : Up to 4800 MT/s</p>	
Display	<p>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</p> <p>16:10 aspect ratio, color gamut NTSC 45%</p> <p>Wide viewing angle up to 170 degrees</p> <p>Mercury free, environment friendly</p>	
Graphics	<p>1 <b>Intel® Graphics</b></p> <p><b>Graphics Special Technology#</b></p> <ul style="list-style-type: none"> <li>H.265/HEVC, VP9, AV1 Encode and Decode</li> <li>OpenGL 4.5</li> <li>OpenCL 3.0</li> <li>DirectX 12</li> </ul>	4
Audio	<ul style="list-style-type: none"> <li>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.</li> <li>Compatible with Cortana with Voice</li> </ul>	

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	<ul style="list-style-type: none"> <li>Two built-in stereo speakers</li> </ul>	
<b>Storage</b>	<p><b>Solid state drive</b></p> <ul style="list-style-type: none"> <li>SSD slot: 1</li> <li>256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe</li> </ul>	1, 5 1, 5
<b>Webcam</b>	<p><b>Video conferencing</b></p> <p>UFC with</p> <ul style="list-style-type: none"> <li>T-Type USB FHD camera</li> <li>Compatible with Windows</li> <li>1920 x 1080 resolution</li> <li>1080p HD video at 60 fps with Temporal Noise Reduction</li> <li>Dual Mic (33 mm + 33 mm)</li> <li>Blue Glass lens</li> <li>78 x 3.2 (5.2) x 3 mm</li> </ul>	
<b>Wireless and networking</b>	<p><b>WLAN</b></p> <ul style="list-style-type: none"> <li>Intel® Wi-Fi 6E Wireless LAN</li> <li>802.11 a/b/g/n/ac/ax</li> <li>Band: 2.4 GHz, 5 GHz, and 6 GHz</li> <li>2x2 MU-MIMO technology</li> </ul> <p><b>WPAN</b></p> <p>Supports Bluetooth® 5.3 or above</p> <p>Supports Bluetooth LE Audio (LC3).</p>	
<b>Security</b>	<p>Acer Bio-Protection fingerprint solution, featuring computer protection and Windows Hello Certification</p> <p>BIOS user, supervisor passwords,</p> <p>Kensington lock slot</p>	
<b>Dimensions and weight</b>	<p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>318.5 (W) x 225.5 (D) x 18.9 (H) mm (12.54 x 8.88 x 0.74 inches)</li> </ul> <p><b>Weight</b></p> <ul style="list-style-type: none"> <li>1.5 kg (3.31 lbs.) with 3-cell battery pack</li> </ul>	6, 7
<b>Power adapter and battery</b>	<p><b>Power adapter</b></p> <p>3-pin 65 W AC adapter:</p> <ul style="list-style-type: none"> <li>95 (W) x 51 (D) x 25.4 (H) mm</li> <li>270 g with 180 cm DC cable</li> <li>3PHY DC connector</li> </ul> <p><b>Battery</b></p> <ul style="list-style-type: none"> <li>50 Wh 3-cell Li-ion battery</li> <li>For models with WUXGA Panel + SSD</li> </ul> <p>Battery life:</p> <ul style="list-style-type: none"> <li>Up to 9 hours (based on MobileMark® 2018 test results)</li> <li>Up to 11.5 hours (based on video playback test results)</li> <li>Up to 11 hours (based on web browsing test results)</li> </ul>	8, 9 10
<b>Input and control</b>	<p><b>Keyboard</b></p> <p>80-/81-/84-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute</p>	

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	<p>80-/81-/84-key Acer backlight keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute</p> <p><b>TouchPad</b></p> <p>Multi-gesture secure touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; Fingerprint application commands</p> <ul style="list-style-type: none"> <li>• Windows Hello Certification</li> <li>• Microsoft Precision Touchpad certification</li> </ul> <p>Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands</p> <ul style="list-style-type: none"> <li>• Microsoft Precision Touchpad certification</li> <li>• Moisture resistant</li> </ul> <p><b>Media Keys</b></p> <p>Media control keys (printed on keyboard): volume up, volume down</p>	
<b>Input and output</b>	<p><b>USB Type-C</b></p> <p>USB Type-C™ port supporting:</p> <ul style="list-style-type: none"> <li>• USB4® 40Gbps</li> <li>• DisplayPort over USB-C</li> <li>• Thunderbolt™ 4</li> <li>• USB charging 5 V; 3 A</li> <li>• DC-in port 20 V; 65 W</li> </ul> <p><b>USB Standard A</b></p> <p>Two USB Standard-A ports, supporting:</p> <ul style="list-style-type: none"> <li>• One port for USB 3.2 Gen 1</li> <li>• One port for USB 3.2 Gen 1 featuring power off USB charging</li> </ul> <p>HDMI® 2.1 port with HDCP support</p> <p>3.5 mm headphone/speaker jack, supporting headsets with built-in microphone</p>	
<b>Sensors</b>	Accelerometer (G-sensor)	
<b>Windows Desktop Apps</b>	11	<p><b>Search</b></p> <ul style="list-style-type: none"> <li>• AcerSense</li> </ul>
<b>Options and accessories</b>		
<b>Warranty</b>		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.

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7. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
8. Listed battery life is based on testing using video playback. The test clip loops and continues to run, without interruption or any other inputs, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 13th Gen Intel® Core™ i5, Intel® UHD Graphics, WUXGA, SSD only, 16GB of LPDDR5 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
9. Listed battery life is based on testing using Web browsing. The test clip loops the loading of 50 selected websites using Microsoft Edge every 30 seconds, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: ~~13th Gen Intel® Core™ i5, Intel® UHD Graphics~~, WUXGA, SSD only, 16GB of LPDDR5 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection.
10. *Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display and resolution, etc.*
11. 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.

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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, 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](http://www.acer.com) for more information.

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Windows 11

Windows 11



WUXGA 1920 X 1200



Purified.Voice



PurifiedVoice with  
AI Noise Reduction



## FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

### CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

The availability of some specific channels and / or operational frequency bands are country dependent and are firmware programmed at factory to match the intended destination. The firmware setting is not accessible by the end user.

This device is slave equipment, the device is not radar detection and not ad-hoc operation in the DFS band.

FCC regulations restrict the operation of this device to indoor use only.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

Prohibited for control of or communications with unmanned aircraft systems.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### RF Exposure warning

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: HLZAX211NG.

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient un ou des émetteurs/récepteurs exempts de licence conformes aux RSS exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne doit pas causer d'interférences.
2. Cet appareil doit accepter toutes les interférences, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

(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) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and

(iii) the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate. 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.

(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725MHz doit se conformer à la limite de p.i.r.e.;

(iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

De plus, les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Devices shall not be used for control of or communications with unmanned aircraft systems.

Operation shall be limited to indoor use only.

Operation on oil platforms, automobiles, trains, maritime vessels and aircraft shall be prohibited except for on large aircraft flying above 3,048 m (10,000 ft).

Les appareils ne doivent pas être utilisés pour contrôler ou communiquer avec des systèmes d'aéronefs sans pilote.

Le fonctionnement doit être limité à une utilisation en intérieur uniquement.

L'exploitation sur les plates-formes pétrolières, les automobiles, les trains, les navires maritimes et les aéronefs est interdite, sauf pour les gros aéronefs volant au-dessus de 3,048 m (10,000 pi).

Information for antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 4.5.4.c shall be clearly indicated.

The antenna height shall be determined by the installer or operator of the standard-power access point or fixed client device, or by automatic means. This information shall be stored internally in the device. Provision of accurate device information is mandatory.

## **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 also been evaluated and shown compliant with the IC RF Exposure limits under portable exposure conditions.

## **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 également été évalué et démontré conforme aux limites d'exposition RF IC dans des conditions d'exposition portables.

## **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 0 mm du corps d'une personne).