

# acer



## NITRO 16

 Windows 11



Mux Switch  
Supported



Turbo up to Max  
Graphics Power



Liquid Metal  
Thermal Grease



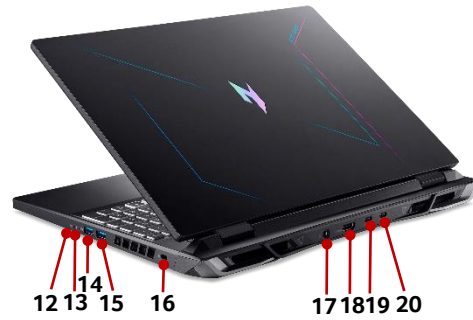
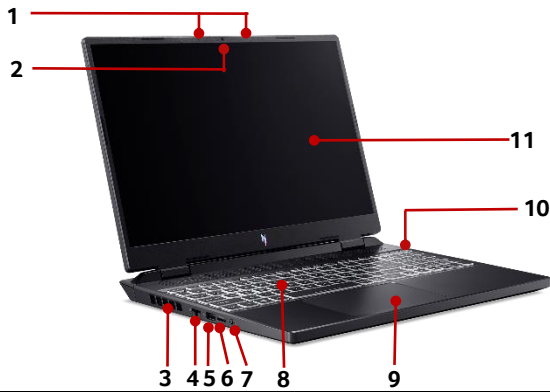
Killer™  
E2600 + Wi-Fi 6E



HDMI 2.1



Full-Function  
Type-C Connector



<b>Product views</b>	<ol style="list-style-type: none"> <li>1. Microphones</li> <li>2. Webcam</li> <li>3. Ventilation</li> <li>4. Ethernet (RJ-45) port</li> <li>5. USB 2.0 port</li> <li>6. MicroSD card slot</li> <li>7. Headset/speaker jack</li> </ol>	<ol style="list-style-type: none"> <li>8. Keyboard</li> <li>9. Touchpad</li> <li>10. Power button</li> <li>11. 16" LCD display</li> <li>12. Battery indicator</li> <li>13. Power indicator</li> <li>14. USB 3.2 Gen 2 port with power-off charging</li> </ol>	<ol style="list-style-type: none"> <li>15. USB 3.2 Gen 2 port</li> <li>16. Kensington lock slot</li> <li>17. Power connector (DC-in)</li> <li>18. HDMI® port</li> <li>19. USB 4 port</li> <li>20. USB Type-C port with DC-in (USB 3.2 Gen 2)</li> </ol>
<b>Operating system<sup>1</sup></b>	Windows 11 Home		
<b>CPU and chipset<sup>1</sup></b>	<b>AMD Ryzen™ 9 7940HS / 7940H octa-core</b> processor <b>AMD Ryzen™ 7 7840HS / 7840H octa-core</b> processor <b>AMD Ryzen™ 7 7735HS / 7735H octa-core</b> processor	<b>AMD Ryzen™ 5 7640HS / 7640H hexa-core</b> processor <b>AMD Ryzen™ 5 7535HS / 7535H hexa-core</b> processor	
<b>Memory<sup>1,2,3</sup></b>	Dual-channel DDR5 SDRAM support <ul style="list-style-type: none"> <li>Up to 16 GB / 32 GB of DDR5 system memory (Memory Frequency: up to 5600 MT/s)</li> </ul>		
<b>Display<sup>4</sup></b>	16" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, high-brightness (400 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, Grey to Grey 3 ms by Overdrive, Nvidia Advanced Optimus capable. <ul style="list-style-type: none"> <li>16:10 aspect ratio, sRGB 100%</li> <li>Wide viewing angle up to 170 degrees</li> <li>Ultra-slim design</li> <li>Mercury free, environment friendly</li> </ul>	16" display with IPS (In-Plane Switching) technology, WQXGA 2560 x 1600, high-brightness (500 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, Grey to Grey 3 ms by Overdrive, Nvidia Advanced Optimus capable. <ul style="list-style-type: none"> <li>16:10 aspect ratio, sRGB 100%</li> <li>Wide viewing angle up to 170 degrees</li> <li>Ultra-slim design</li> <li>Mercury free, environment friendly</li> </ul>	
<b>Graphics<sup>1</sup></b>	<b>NVIDIA® GeForce® RTX™ 4070</b> with 8 GB of dedicated GDDR6 VRAM <b>NVIDIA® GeForce® RTX™ 4060</b> with 8 GB of dedicated GDDR6 VRAM	<b>NVIDIA® GeForce® RTX™ 4050</b> with 6 GB of dedicated GDDR6 VRAM	
<b>Audio</b>	<ul style="list-style-type: none"> <li>DTS® X: Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier</li> <li>Supported in Windows Spatial Sound for PC Gaming with DTS license integrated</li> <li>Immersive audio rendering over headphones and internal speakers</li> </ul>	<ul style="list-style-type: none"> <li>Acer Purified. Voice technology with AI noise reduction in dual built-in microphones</li> <li>Compatible with Cortana with Voice</li> <li>Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound</li> </ul>	
<b>Storage<sup>1,5</sup></b>	<b>Solid state drive</b> <ul style="list-style-type: none"> <li>512 GB / 1 TB / 2 TB, PCIe Gen4, 16 Gb/s, NVMe</li> </ul>		
<b>Webcam<sup>1</sup></b>	<b>Video conferencing</b> : UFC with <ul style="list-style-type: none"> <li>Narrow USB HD camera</li> <li>Compatible with Windows</li> <li>1280 x 720 resolution</li> </ul>	<ul style="list-style-type: none"> <li>720p HD video at 30 fps with Temporal Noise Reduction</li> <li>Blue Glass lens</li> <li>Dual Mic (33 mm + 33 mm)</li> <li>86 x 3.2 x 2.6 mm</li> </ul>	
<b>Wireless and networking<sup>1</sup></b>	<b>WLAN</b> <ul style="list-style-type: none"> <li>Wi-Fi 6E Wireless LAN</li> <li>802.11 a/b/g/n/ac/ax wireless LAN</li> <li>Band 2.4 GHz, 5 GHz and 6 GHz</li> <li>2x2 MU-MIMO technology</li> <li>Supports Bluetooth® 5.1 or above</li> </ul>	<b>LAN</b> <ul style="list-style-type: none"> <li>Killer™ Ethernet E2600</li> <li>10/100/1000 Mbps</li> <li>Hibernation mode support</li> <li>Wake On Lan support</li> <li>IPv4 and IPv6 support</li> </ul>	
<b>Security</b>	<ul style="list-style-type: none"> <li>Firmware Trusted Platform Module (TPM) solution</li> <li>BIOS user, supervisor, HDD passwords</li> <li>Kensington lock slot</li> </ul>		
<b>Dimensions and weight<sup>6,7</sup></b>	<b>Dimensions:</b> <ul style="list-style-type: none"> <li>360.1 (W) x 279.9 (D) x 25.9/27.9 (H) mm (14.18 x 11.02 x 1.02/1.1 inches) with Plastic A Cover</li> </ul> <b>Weight:</b> <ul style="list-style-type: none"> <li>2.7 kg (5.95 lbs.) with 4-cell battery pack, WUXGA display</li> </ul>		
<b>Power adapter and battery<sup>8,9</sup></b>	<b>Power adapter:</b> <ul style="list-style-type: none"> <li>3-pin 330 W 5.5 PHY AC adapter</li> <li>3-pin 230 W 5.5 PHY AC adapter</li> </ul>	<b>Battery:</b> <ul style="list-style-type: none"> <li>90 Wh 4-cell Li-ion battery (for models with WUXGA Panel + SSD)</li> <li>Battery life up to 10 hours (based on video playback test results)</li> </ul>	
<b>Input and control</b>	<b>Keyboard:</b> 103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support  <b>Touchpad:</b> Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands <ul style="list-style-type: none"> <li>Microsoft Precision Touchpad certification</li> <li>Moisture resistant</li> </ul> <b>Control Keys:</b> <ul style="list-style-type: none"> <li>Mode key</li> </ul>		
<b>Windows Desktop Apps<sup>10</sup></b>	<b>In-House</b> <ul style="list-style-type: none"> <li>Acer Care Center</li> <li>Acer Product Registration</li> </ul>	<ul style="list-style-type: none"> <li>NitroSense</li> <li>Quick Access</li> </ul>	
<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. 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.  
 4. 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

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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