PREDATOR HELIOS 16

Windows 11 | **intel CORE i9** | **intel CORE i7**

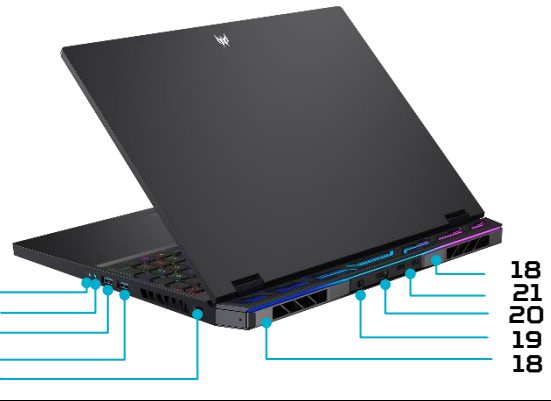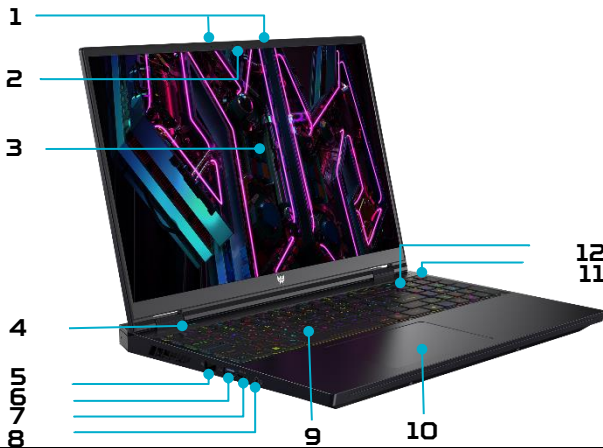|					
Dual AeroBlade™ 3D Fan & Liquid Metal	FHD Camera	Turbo up to Max Graphics Power	Full-Function Thunderbolt™ 4	Killer DoubleShot™ Pro	HDMI 2.1

Product views

1. Microphones	7. MicroSD card reader	12. PredatorSense key	17. Kensington lock slot
2. Webcam	8. Headset/speaker jack	13. Battery indicator	18. Thermal Deco
3. 16.0" display	9. Keyboard	14. Power indicator	19. Power connector (DC-in)
4. Mode key	10. Touchpad	15. USB 3.2 Gen 2 port with power-off charging	20. HDMI® 2.1 port
5. Ethernet (RJ-45) port	11. Power button	16. USB 3.2 Gen 2 port	21. Two USB Type-C™ ports [Thunderbolt™ 4]
6. USB 3.2 Gen 1 port			

Operating system[1]	Windows 11 Home
CPU and chipset[1]	Intel® Core™ i9-13900HX processor Intel® Core™ i7-13700HX processor Mobile Intel® HM770 PCH Chipset
Memory[1, 2, 3]	Dual-channel DDR5 SDRAM support Memory Frequency: Up to 5600 MT/s ● Up to 32 GB of DDR5 system memory [Notes: i9-13900HX: Up to 5600; i7-13700HX: Up to 4800]
Display[4]	16.0" display with IPS [In-Plane Switching] technology, WQXGA 2560 x 1600, high-brightness (SDR mode 600 nits / HDR mode 1000 nits), high color gamut (DCI-P3 100%), Acer ComfyView™ LED-backlit TFT LCD, intergrated Mini LED technology. Supporting frame rate 250Hz and HDR 1000. ● 16:10 aspect ratio ● Wide viewing angle up to 170 degrees ● Mercury free, environment friendly	16.0" display with IPS [In-Plane Switching] technology, WQXGA 2560 x 1600, high-brightness (500 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 240 Hz, Grey to Grey 3 ms by Overdrive, Nvidia Advanced Optimus capable. ● 16:10 aspect ratio, DCI-P3 100% ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly	16.0" 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. ● 16:10 aspect ratio, sRGB 100% ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly
Graphics[1]	● NVIDIA® GeForce RTX™ 4080 with 12 GB of dedicated GDDR6 VRAM ● NVIDIA® GeForce RTX™ 4070 with 8 GB of dedicated GDDR6 VRAM ● NVIDIA® GeForce RTX™ 4060 with 8 GB of dedicated GDDR6 VRAM
Audio	● DTS® X:Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier ● Supported in Windows Spatial Sound for PC Gaming with DTS license integrated ● Immersive audio rendering over headphones and internal speakers ● 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 ● Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound
Storage[1, 5]	Solid state drive: ● 512 GB / 1 TB / 2 TB, PCIe Gen4, 16 Gb/s, NVMe	● 1 TB / 2 TB, NVMe, RAID 0 SSD [Notes: M.2 single-sided 2280]
Webcam[1]	UFC with ● Narrow USB FHD camera with blue glass ● Compatible with Windows ● 1920 x 1080 resolution	● 1080p HD video at 60 fps with Temporal Noise Reduction ● Dual Mic (33 mm + 33 mm) ● 86 x 3.2 x 2.55 mm
Wireless and networking[1]	**WLAN** ● Killer Wireless Wi-Fi 6E 1675i ● 802.11 a/b/g/n/ac/ax wireless LAN ● Band: 2.4 GHz ,5 GHz, and 6 GHz ● 2x2 MU-MIMO technology ● Support Bluetooth® 5.1 or above ● Support CNVi interface	**LAN** ● Killer™ Ethernet E2600 ● 10/100/1000 Mbps ● Hibernation mode support ● Wake On Lan support ● IPv4 and IPv6 support
Security	Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor, HDD passwords Kensington lock slot
Dimensions and weight[6, 7]	**Dimensions:** 357.78 (W) x 278.74 (D) x 24.9/26.9 (H) mm (14.09 x 10.97 x 0.98/1.06 inches) **Weight:** ● 2.6 kg (5.73 lbs.) with 4-cell battery pack ● 2.7 kg (5.95 lbs.) with 4-cell battery pack, mini LED display
Power adapter and battery[8, 9]	**Power adapter:** ● 3-pin 330 W 5.5 PHY AC adapter	**Battery:** 90 Wh 4-cell Li-ion battery (for models with WQXGA Panel) Battery life Up to 5 hours (based on video playback test results)
Input and control	**Keyboard:** 103-/104-/107-key FineTip RGB Per-Key backlit keyboard, individual mini LED(s) under each keycap with independent standard numeric keypad, international language support **Touchpad:** Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands ● Microsoft Precision Touchpad certification ● Moisture resistant ● Corning® Gorilla® Glass **Control Keys** Mode Key
Windows Desktop Apps[10]	● Planet9 Stub(For Gaming) ● PredatorSense	● Acer Care Center ● Acer Product Registration
Options and accessories	Thermal Deco
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. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
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. 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™ i9, NVIDIA® GeForce RTX™ 4080, WQXGA, SSD only, 32GB of DDR5 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
9. 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.
10. Bundled software may vary depending on hardware configuration, OS and regional availability.

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, 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.