PREDATOR

PREDATOR HELIOS 300

Windows 11 | intel CORE i7 | intel CORE i5

AeroBlade™ 3D Fan & Liquid Metal | DDR5 Faster Data Transit | Pulsar Lighting Keyboard | THUNDERBOLT™ Thunderbolt™ 4 | Killer DoubleShot™ Pro | HDMI Port

Product views		
1. Microphones	8. Headset/speaker jack	15. USB 3.2 Gen 2 port with power-off charging
2. Webcam	9. Keyboard	16. USB 3.2 Gen 2 port
3. 17.3" display	10. Touchpad	17. Power connector (DC-in)
4. TURBO key	11. Power button	18. USB Type-C™ port (Thunderbolt™ 4)
5. Kensington lock slot	12. PredatorSense key	19. HDMI® 2.1 port
6. Ethernet (RJ-45) port	13. Battery indicator	20. Mini DisplayPort™
7. USB 3.2 Gen 1 port	14. Power indicator	

Operating system[1]
Windows 11 Home

CPU and chipset[1]
Intel® Core™ i7-12700H processor   Intel® Core™ i5-12500H processor

Memory[1, 2, 3]
Dual-channel DDR5 SDRAM support
● Up to 32 GB of DDR5 system memory
Memory Frequency : Up to 4800 MT/s

Display[4]

17.3" display with IPS (In-Plane Switching) technology, QHD 2560 x 1440, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, 3 ms Overdrive	17.3" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, 3 ms Overdrive	17.3" display with IPS (In-Plane Switching) technology, Full HD high-brightness (300 nits) Acer ComfyView LED-backlit TFT LCI 144 Hz and 3 ms Overdrive
● 16:9 aspect ratio, DCI-P3 100%	● 16:9 aspect ratio, sRGB 100%	● 16:9 aspect ratio, NTSC 72%
● Wide viewing angle up to 170 degrees	● Wide viewing angle up to 170 degrees	● Wide viewing angle up to 170 degrees
● Ultra-slim design	● Ultra-slim design	● Ultra-slim design
● Mercury free, environment friendly	● Mercury free, environment friendly	● Mercury free, environment friendly

Graphics[1, 5]
● **NVIDIA® GeForce RTX™ 3080** with 8 GB or 16 GB of dedicated GDDR6 VRAM
● **NVIDIA® GeForce RTX™ 3070 Ti** with 8 GB of dedicated GDDR6 VRAM
● **NVIDIA® GeForce RTX™ 3070** with 8 GB of dedicated GDDR6 VRAM
● **NVIDIA® GeForce RTX™ 3060** with 6 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	● Acer Purified.Voice technology with dual built-in microphones. Features include far-field pickup, suppression, adaptive beam forming, and pre-defined personal and conference call modes.
● Supported in Windows Spatial Sound for PC Gaming with DTS license integrated	● Compatible with Cortana with Voice
● Immersive audio rendering over headphones and internal speakers	● Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audi sound

Storage[1, 6]
Solid state drive:
● 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe
● 1 TB / 2 TB, NVMe, RAID 0 SSD

Webcam[1]

UFC with	● 1080p HD video at 60 fps with Temporal Noise Reduction
● Narrow USB FHD camera with blue glass	● Dual Mic (33 mm + 33 mm)
● Compatible with Windows	● 86 x 3.2 x 2.55 mm
● 1920 x 1080 resolution	

Wireless and networking[1]

WLAN	LAN
● Killer Wireless Wi-Fi 6E 1675i	● Killer™ Ethernet E2600
● 802.11 a/b/g/n/ac/ax wireless LAN	● 10/100/1000 Mbps
● Band: 2.4 GHz ,5 GHz, and 6 GHz	● Hibernation mode support
● 2x2 MU-MIMO technology	● Wake On Lan support
● Support Bluetooth® 5.2 and above	● IPv4 and IPv6 support

Security
Firmware Trusted Platform Module (TPM) solution
BIOS user, supervisor, HDD passwords   Kensington lock slot

Dimensions and weight[7, 8]
Dimensions: 399.3 (W) x 295.5 (D) x 26.85/27.65 (H) mm (15.72 x 11.63 x 1.06/1.09 inches)
Weight: 3 kg (6.61 lbs.) with 4-cell battery pack

Power adapter and battery[9]
Power adapter:
● 3-pin 280 W 5.5 PHY AC adapter
Battery: 90 Wh 4-cell Li-ion battery
Battery life Up to 6 hours (based on MobileMarkÂ® 2018 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 (RTX 3080/RTX 3070 Ti/ RT.
103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support (RTX 3060)
Touchpad: Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands
● Microsoft Precision Touchpad certification
● Moisture resistant
Media Keys
Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down
Control Keys
Turbo Key

Windows Desktop Apps[10]
● Planet9   ● Acer Care Center
● PredatorSense   ● Acer Product Registration

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 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. Not all features indicated are supported on all SKUs
6. 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.
7. Minor variations in system dimensions are possible due to the manufacturing process.
8. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
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 in 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.