

Acer unveils new gaming innovations with Predator Orion 7000, Nitro V laptops, and Nitro Blaze 7 handheld gaming device

Editor's Summary:

- The new Predator Orion 7000 desktop harnesses the power of Intel® next-gen processors, up to NVIDIA® GeForce RTX™ 4090 GPU (1321 AI TOPS), and state-of-the-art thermal cooling combining the Predator CycloneX 360™ system fan and a CPU liquid cooler
- New Acer Nitro V 16 gaming laptop is equipped with Intel® Core™ 14th gen processors, an NVIDIA® GeForce RTX™ 4060 Laptop GPU (233 AI TOPS)¹, up to a WQXGA display option, and optimized thermals with dual fans and quad intake/exhaust systems
- The Acer Nitro V 14 balances gaming performance, portability, and style powered by AMD Ryzen™ 8040 Series processors with Ryzen™ AI², up to an NVIDIA GeForce RTX 4050 Laptop GPU (194 AI TOPS), and boasting an eye-catching pearl white chassis design
- Acer Nitro Blaze 7 delivers fast and smooth gameplay, powered by AMD Ryzen™ 8040 Series processors with up to 39 total AI TOPS, up to 2 TB of storage, and 16 GB LPDDR5x memory

Dubai, UAE (September 26, 2024) Acer has introduced several new Windows 11 gaming PCs, including the powerful Predator Orion 7000 desktop, which boasts high-performance features to elevate gameplay, the all-new Nitro V 14 gaming laptop rocking a unique pearl white chassis, and an upgraded Nitro V 16 gaming laptop.

The Predator Orion 7000 is a gaming monster delivering next-gen performance to excite the most competitive gamers, including the latest processing technology powered by Intel® next gen processors and up to an NVIDIA® GeForce RTX™ 4090 GPU (1321 AI TOPS). It also features the patented Predator CycloneX 360™ system fan and a CPU liquid cooler to keep the device cool and battle-ready.

The Acer Nitro V 14 will appeal to anyone looking for a stylish gaming laptop that balances gaming performance, portability, and affordability. Its gleaming pearl-like finish and teal lighting blend striking aesthetics with reliable performance. Meanwhile, the newest Nitro V 16 gaming laptop is purpose-built for students, entry-level gamers, and multimedia enthusiasts.

Additionally, Acer announced its entry into the handheld gaming space with the launch of the new [Acer Nitro Blaze 7](#) (GN771). The device combines cutting-edge technology and a compact design to always bring next-level gaming and entertainment within reach. The first-generation handheld AI gaming PC features an AMD Ryzen™ 7 8840HS processor, with Ryzen AI that optimizes performance and responsiveness across a wide range of games and applications.

These devices blend current technology and features with a reasonable price tag, making them well-balanced and versatile devices that can be used for school, entertainment, and gaming.

Predator Orion 7000

Powered by Intel next-gen processors, the Predator Orion 7000 (PO7-660) is a state-of-the-art NVIDIA GeForce RTX™ 4090 GPU with AI-powered DLSS that multiplies performance in spectacular virtual scenes. And with three months of PC Game Pass included, players will enjoy hundreds of high-quality PC games.

Designed for intense gaming sessions, the Orion 7000 houses an advanced cooling system to maintain its superior performance. The patented Predator CycloneX 360 utilizes an advanced 3-in-1 fan setup and a uniquely engineered flow channel to effectively expel heat from critical zones with maximized airflow volume and static pressure. In conjunction with a 360 mm CPU liquid cooling system, this pairing creates an optimal cooling environment and boosts the desktop's cooling efficiency by 15% while lowering motherboard temperatures by 9°C compared to the previous model³.

The integrated PredatorSense 4.0 utility app lets gamers quickly and easily overclock components and customize ARGB/RGB lighting preferences. Lightning-fast connectivity is fueled by Thunderbolt™ 4 and Wi-Fi 7, the latest networking standard delivering speeds of 40 to 46 Gbps. With storage options of up to 4 TB HDD, 6 TB PCIe M.2 NVMe SSD, and an SSD swap slot for expansion, the Predator Orion 7000 can store a wide array of game titles.

Acer Nitro V 14

Gamers, students, and professionals who want a stylish and highly portable laptop for gaming that can also readily handle productivity tasks will appreciate the small but mighty [Nitro V 14](#) (ANV14-61). Its compact size and capabilities make it well-suited for on-the-go gaming, taking

to school in a backpack, or carrying to a remote job site, client office, or coffee shop. Plus, the sophisticated white aesthetics add a touch of class to any gaming or work setup.

Its uniquely sized 14.5-inch (16:10) display is an ideal choice for people on the go and provides more screen real estate than a traditional 14-inch panel. Both display options, WQXGA (2560 x 1600) or WUXGA (1920x1200), are combined with a 120 Hz refresh rate, 3 ms overdrive response time, and 100% sRGB color gamut support, making it a great companion for portable gaming and creative work. Gamers will also appreciate the inclusion of a MUX (multiplexer) switch, which allows them to manually enable or disable the iGPU for an increase in graphics performance when playing favorite titles.

Powered by up to an AMD Ryzen™ 7 8845HS Processor, up to NVIDIA GeForce RTX 4050 Laptop GPU (194 AI TOPS), up to 32 GB DDR5 memory, and up to a 2 TB PCIe Gen4 NVMe SSD, the Nitro V 14 is always ready for intense sessions. The AMD Ryzen 8040 Series processors are crafted to introduce users to delightful new premium experiences, boasting trusted performance, incredible battery life, and the innovative integration of Ryzen AI technology. With the added advantage of the 3rd Gen Power Management Feature (PMF), AMD Ryzen 8040 Series processors take it a step further with intelligent battery management, ensuring the longest possible running time. The AI-driven benefits to battery life include extended durations for video conferences, as running on the CPU, instead of the GPU, places a smaller load on battery consumption.

The NVIDIA GeForce 4050 Laptop GPU is backed by NVIDIA's RTX AI platform with over 600 games and applications. Users can tap into the NVIDIA RTX AI ecosystem of computing gaming capabilities and accelerations. Gamers can benefit from AI-powered DLSS 3.5 technology for stunning visuals at high frame rates, and creators can harness the power of AI with hundreds of RTX-accelerated apps already available. The device's performance can be monitored in real-time with the NitroSense™ application, which doubles as a system control center and library of on-device AI features to be maximized.

Acer Nitro V 16

The newest [Nitro V 16](#) (ANV16-71) is ideal for all types of productivity tasks and multimedia applications thanks to its high-resolution display options, powerful components, and thermals that keep the laptop running smoothly and cool. Delivering superior image quality and high pixel density of up to a 180 Hz 16-inch (16:10) WQXGA (2500 x 1600) display, it is an excellent choice for photo editing, color grading tasks, gaming, and other fast-paced content. It also includes a MUX switch for GPU performance boosting.

Configured with up to an Intel Core i7-14650HX processor, up to an NVIDIA GeForce RTX 4060 Laptop GPU, up to 32 GB of memory, and up to a 2 TB PCIe Gen4 NVMe SSD, it's powerful enough to tackle the latest applications and current games with ease. Its dual-fan quad-intake and quad-exhaust system draws cold air from the top keyboard and button cover and expels heat through side and rear vents, eliminating throttling and ensuring peak CPU and GPU performance.

Leveraging the Power of AI

The NVIDIA GeForce RTX Laptop GPUs in the latest gaming PCs are powered by the ultra-efficient NVIDIA ADA Lovelace architecture, which enables over 600 AI-accelerated apps and games. They get a massive boost in performance with AI-powered DLSS 3.5 technology, noise removal and background replacement with the Broadcast app, and help users finish coursework faster with AI-accelerated STEM apps. NVIDIA DLSS 3.5 makes games even more beautiful, immersive, and realistic with the introduction of Ray Reconstruction, a new AI-powered technique that further enhances the quality of ray tracing.

Rounding out the laptops' features is Copilot in Windows 11, Microsoft's everyday AI companion, that provides answers and inspirations from the web, helping foster creativity and productivity. A dedicated Copilot key makes activating the AI assistant quick and easy. A suite of AI-enabled features can also be maximized when streaming or video chatting with the webcam's AI-supported Acer PurifiedView™ and Acer PurifiedVoice™ 2.0 featuring three microphones with AI noise reduction technology.

Acer Nitro Blaze 7: A Powerful and Portable AI Handheld Gaming Device

Acer's new Nitro Blaze 7 handheld gaming PC delivers lightning-fast performance and efficiency for everyday gaming and entertainment. Featuring an AMD Ryzen™ 7 8840HS processor that boasts up to an impressive 39 total AI TOPS and Ryzen AI technology, users can expect optimized efficiency and support for on-device AI-powered capabilities. It leverages AMD Radeon 780M graphics, and Radeon Super Resolution in the panel for real-time graphical upscaling and lag-free experiences.

The design allows users to easily slip the device into their bags or pockets for instant playing time on the go. The 7-inch FHD (1920x1080) IPS touch display offers a blazing-fast 144 Hz refresh rate, 100% sRGB coverage, and AMD FreeSync™ Premium to bring ultra-smooth scenes and tear-free gameplay. This allows players to experience enhanced visuals and responsive controls while playing their favorite AAA titles.

The Nitro Blaze 7 also ensures seamless multitasking and ample space for games, media, and other files. It provides generous storage capacity of up to 2 TB of M.2 NVMe PCIe SSD and 16 GB LPDDR5x memory at 7500 MT/s for higher data transfer rates and bandwidth.

Users can effortlessly navigate through the Windows 11 gaming handheld's library of games thanks to the new Acer Game Space feature, which supports the addition of games from multiple platforms. Gamers gain quick access to the space and can curate it with their most beloved game titles. It is also fully compatible with mainstream gaming platforms and includes 3 months of PC Game Pass for access to hundreds of high-quality PC games.

Whether it is selecting items in their inventory, drawing paths for characters, or zooming in to take a closer look, the Nitro Blaze's design gives users full intuitive control. The touch interface's responsive controls allow players to engage games more naturally and give more possibilities for innovative gameplay mechanics. A hotkey instantly transports players to their game libraries, and the Nitro Blaze's joystick and directional buttons make it even easier to navigate through the gaming realm with greater precision and versatility. For high-speed connectivity, the Nitro gaming handheld supports Wi-Fi 6E and incorporates various ports for seamless device and accessory pairing including USB4® (Type-C) with fast charging, and a MicroSD card reader to expand storage capacity.

Pricing and Availability

The Acer Nitro V 16 (ANV16-71) will be available in EMEA in October, starting at USD 1,449.

The Acer Nitro V 14 (ANV14-61) will be available in EMEA in September, starting at USD 1,199.

Exact specifications, prices, and availability will vary by region. To learn more about availability, product specifications and prices in specific markets, please contact your nearest Acer office via www.acer.ae.

Visit [Acer's Media Center](#) for product images and specifications, or visit the next@acer Press Room to see all announcements.

Specifications

Name	Predator Orion 7000
Model	PO7-660
Operating System	Windows 11 Home

Processors	Intel® next gen processors
Graphics	Up to an NVIDIA® GeForce RTX 4090 GPU
Memory	32/16 GB DDR5 5600 MHz RGB 32/16 GB DDR5 6000XMP MHz RGB Up to 128 GB (32 GB*4) Dual Channel DDR5 MHz
CPU Cooling	Predator CycloneX 360 + CPU Liquid Cooling
Storage	Optional: Up to 4 TB HDD Optional: Up to 6 TB PCIe M.2 NVMe SSD SSD swap slot
Ports	Front: <ul style="list-style-type: none"> • USB 3.2 Gen1 5Gbps Type A port(s): 3 • USB 3.2 Gen1 5Gbps Type C port(s): 1 Rear: <ul style="list-style-type: none"> • LAN port(s): 1 • Audio jack(s): 3 [line in, audio out, mic] • USB 2.0 Type A port(s): 2 • USB 3.2 Gen2 10Gbps Type A port(s): 3 • Thunderbolt 4: 1
Power Supply	1200W
Wireless and Networking	Wi-Fi 7 Wireless LAN and Bluetooth 5.4 or above
Included peripherals	Wired keyboard with Copilot key and mouse
Xbox Game Pass	3 months free
PredatorSense	Version 4
Dimensions	219 (W) x 504.8 (D) x 485 (H) mm [8.6 (W) x 19.87 (D) x 19.09 (H) inches]
Weight	25 Kg

Name	Acer Nitro V 16
Model	ANV16-71
Operating System	Windows 11 Home
Processors	Intel® Core™ i7-14650HX processor Intel® Core™ i5-14450HX processor
Graphics	NVIDIA® GeForce RTX™ 4060 NVIDIA® GeForce RTX™ 4050 NVIDIA® GeForce RTX™ 3050
Memory	Up to 32 GB of DDR5 system memory, dual-channel support
Display	16" IPS + WQXGA (2560x1600), 16:10 aspect ratio, 400 nits brightness, Acer ComfyView™ LED-backlit TFT LCD, supporting 180 Hz, 100% sRGB color gamut

	16" IPS + WUXGA (1920x1200), 16:10 aspect ratio, 300 nits brightness, Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, 100% sRGB color gamut 16" IPS + WUXGA (1920x1200), 16:10 aspect ratio, Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, NTSC 45% color gamut
Storage	Up to 1 TB PCIe Gen4 NVMe, 16 Gb/s Up to 2 TB NVMe, Raid 0 SSD
Audio	DTS® X: Ultra, Acer Purified Voice 2.0 with AI noise reduction and 3-mic array, Acer TrueHarmony technology
Camera	HD camera (1280x720) with 720p HD video at 30 FPS with Temporal Noise Reduction, Dual mic
Ports	One USB Type-C supporting Thunderbolt 4, USB 3.2 Gen 2, DisplayPort, USB Charging Two USB Type-A supporting USB 3.2 (Gen 1 and Gen 2 with USB charging) HDMI 2.1
Battery	57 Wh 4-cell Li-ion battery (for models with WQXGA panel)
Wireless and Networking	Wi-Fi 6 AX201, supports Bluetooth 5.1 or above
Dimensions and weight	361.24 (W) x 278.4 (D) x 24.74/25.46 (H) mm [14.22 (W) x 10.96 (D) x 0.97/1 (H) inches] with Plastic A cover 2.5 kg (5.51 lbs.), with 4-cell battery pack, WQXGA display

Name	Acer Nitro V 14
Model	ANV14-61
Operating System	Windows 11 Home
Processors	AMD Ryzen™ 7 8845HS (AMD Ryzen AI capable) AMD Ryzen™ 5 8645HS
Graphics	NVIDIA® GeForce RTX™ 4050 NVIDIA® GeForce RTX™ 3050 NVIDIA® GeForce RTX™ 2050
Memory	Up to 32 GB of DDR5 system memory, dual-channel support
Display	14.5" IPS + WQXGA (2560x1600), 16:10 aspect ratio, 350 nits brightness, Acer ComfyView™ LED-backlit TFT LCD, supporting 120 Hz, 100% sRGB color gamut 14.5" IPS + WUXGA (1920x1200), 16:10 aspect ratio, 300 nits brightness, Acer ComfyView™ LED-backlit TFT LCD, supporting 120 Hz, 100% sRGB color gamut
Storage	Up to 2 TB PCIe Gen4 NVMe, 16 Gb/s
Audio	DTS® X: Ultra, Acer Purified Voice 2.0 with AI noise reduction and 3-mic array, Acer TrueHarmony technology
Camera	USB HD camera (1280x720)
Ports	One USB Type-C supporting USB 4 at 40 Gbps, DisplayPort, USB Charging Two USB Type-A supporting USB 3.2 (Gen 1 and Gen 2 with USB charging) HDMI 2.1 with HDCP support MicroSD Card Reader
Battery	57 Wh 4-cell Li-ion battery (for models with WQXGA panel) Battery life: up to 6 hours battery life (based on video playback result)

Wireless and Networking	Wi-Fi 6E Wireless LAN, supports Bluetooth 5.3 or above
Dimensions and weight	328.79 (W) x 234.5 (D) x 21.36/22.51 (H) mm [12.94 (W) x 9.23 (D) x 0.84/0.89 (H) inches] with Plastic A cover 1.7 kg (3.75 lbs.), with 4-cell battery pack

Product Name	Acer Nitro Blaze 7
Model	GN771
Operating System	Windows 11 Home
Processors	AMD Ryzen™ 7 8840HS (8-Core, 16-threads, 24 MB cache, up to 5.1 GHz max boost) AMD Ryzen AI, Supports up to total 39 AI TOPS
Graphics	AMD Radeon™ 780M (Up to 2.7 GHz, AMD RDNA™ 3 12 CUs)
Screen	7" Full HD (1920 x 1080) IPS Display, 144 Hz, 500 nits, 10-point touch panel, 7 ms response time, 100% sRGB, AMD FreeSync™ Premium
Memory	16GB LPDDR5x SDRAM, 7500 MT/s (onboard)
Storage	Up to 2 TB M.2 NVMe™ PCIe® 4.0 x4 Gen 4 SSD
I/O Ports	2 x USB4® (Type-C 40 Gbps), Micro SD Card (SD 4.0)
Control and Input	A B X Y buttons, D-Pad, LB/RB Bumpers, LS/RS Sticks, LT/RT Hall effect triggers, Power button with fingerprint reader, volume button, view button, menu button, Acer Game Space button, Pop-up keyboard button, Acer quick menu button, Mode switch button,
Audio	Speaker: 2 x 1W Microphone: 2 x D-Mic Audio Jack: 3.5 mm CTIA
Battery, Battery life	50.04 Wh Li-Polymer battery
Power Supply	65 W Type-C AC Adapter
WLAN and Bluetooth	Wi-Fi 6E and Bluetooth 5.3
Software	Acer Game Space, PC Game Pass (3 months)
Dimensions	25.6 (W) x 11.35 (D) x 2.25 (H) cm
Weight	670 g

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 7,700 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.

Media Contacts

Gambit Communications

Aisha Almawed

Tel. +971 505840618

aisha@gambit.ae

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¹ Specifications may vary depending on the model and region. All models subject to availability.

² Ryzen™ AI is defined as the combination of a dedicated AI engine, AMD Radeon™ graphics engine, and Ryzen processor cores that enable AI capabilities. OEM and ISV enablement is required, and certain AI features may not yet be optimized for Ryzen AI processors. Ryzen AI is compatible with: (a) AMD Ryzen 7040 and 8040 Series processors except Ryzen 5 7540U, Ryzen 5 8540U, Ryzen 3 7440U, and Ryzen 3 8440U processors; (b) AMD Ryzen AI 300 Series processors, and (c) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500G/GE and Ryzen 3 8300G/GE. Please check with your system manufacturer for feature availability prior to purchase.

³ The stated performance is based on testing conducted by a specialized third-party. Actual performance results may vary depending on the model, specifications, and region. All models subject to availability.