ComX Computers
Product Specification Sheet

NBDEAC16250C7321W11P

Alienware 16 Aurora AC16250 Core 2 Notebook Core 7 240H 5.2Ghz 32GB 1TB 16" WQXGA RTX 5050 8GB BT Win 11 Pro

Product Overview

Alienware 16 Aurora AC16250 Series Core Series 2 NBDEAC16250C7321W11P Indigo Notebook, Intel Core 7 240H Series 2 Ten (10) Core Raptor Lake Turbo Boost up to 5.2Ghz 24MB L3 Cache Processor (6 Perfomance Cores & 4 Efficient Cores), 32GB DDR5-5600 SO-Dimm Memory (2x16GB), Supports 64GB Max Mem, 2 Memory slots, 1TB SSD Solid State Hard Drive PCIe, M.2 2280 slot, NO optical drive (No CD), 16" WQXGA (2560 x 1600 resolution) ComfortView 300nits 120Hz LED Backlit Display, nVidia Geforce RTX 5060 with 8GB dedicated graphics, Wi-Fi 7, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, 6 Cell Battery, Backlit Keyboard, Full Size Keyboard with Numpad, 2x USB 3.2 Gen 1 (5 Gbps) ports, 1x USB 3.2 Gen 2 (10 Gbps) Type-C port with DisplayPort 1.4a ports, 1x USB 3.2 Gen 2 (10 Gbps) Type-C port with Power Delivery, HDMI output, 2.6 kg, Microsoft Windows 11 Professional 64 bit, 3 Year Next Business Day On-site warranty











Specifications

Overview summary:

Unleash Pure Gaming Power with the Alienware 16 Aurora Gaming Laptop

Built for serious gamers, the

Alienware 16 Aurora AC16250

delivers next-level performance and intelligent design in a sleek, mobile-friendly chassis. Powered by

Intel Core Series 2 processors

and up to

NVIDIA GeForce RTX 5070* Laptop GPUs,

it supports cutting-edge

ray tracing, DLSS 4 AI-enhanced rendering

, and

NVIDIA Reflex 2

for ultra-responsive, high-fidelity gameplay. Enjoy stunning visuals on a vibrant 16-inch WQXGA 120Hz display, backed by a high 300-nit brightness and full

100% sRGB

color gamut.

Experience enhanced cooling with Alienware's innovative**Cryo-Chamber thermal design**, dual fans, and**copper heat pipes**, all working together for quieter, more efficient performance during extended gaming sessions. With support fo**r DDR5 memory, PCIe Gen 4 SSD storage**, and ultra-fast**Wi-Fi 7 (802.11be)**, this gaming laptop is ready for today's AAA titles and future upgrades. The AC16250 also features**Windows 11, AlienFX lighting,**and**Alienware Command Center**, giving you total control over performance and personalization.

*NVIDIA GeForce RTX 4050 up to 5070 - model specific, cannot be upgraded later.

Overview:

Alienware 16 Aurora Gaming Laptop

Model: AC16250

Pure performance. No distractions.

Must-have gaming performance in a stunning, streamlined design featuring Intel Core processors (Series 2), a WQXGA 120Hz 300 nits display and a stylish anodized aluminum lid.

Features:

Essential power in a focused design

Alienware 16 Aurora delivers an immersive gaming-first experience in a sleek, focused design. Get the performance you need, anywhere - powered by Intel Core processors (Series 2) and laptop GPUs ranging from NVIDIA GeForce RTX 4050 up to 5070.

Intentional design

A comfortable, efficient design that doesn't need a thermal shelf, increasing mobility without sacrificing performance.

Optimized power

Play demanding games with up to 115W Total Performance Power (TPP).

Innovative cooling

A newly designed Cryo-Chamber structure focuses airflow to the core components, where it matters most.

Brilliant display

Go deeper into games with a 16" WQXGA 120Hz display with 300 nits brightness.

Comfort focused design

Intentionally designed for comfortable, everyday use. Alienware 16 Aurora's streamlined design offers advanced thermal support without the need for a rear thermal shelf. The laptop's smaller profile makes it an easy fit into bags and backpacks for on-the-go performance.

Balanced power

The perfect balance of performance and portability in a stunning chassis. Ready to run your favorite games seamlessly with up to 115W Total Performance Power.Next

Up to 115W

Total Performance Power is the combined maximum of TGP and TDP, enhancing overall performance across all you do.

Up to 85W

Total Graphics Power means higher GPU performance with more realistic gameplay.

Up to 45W

CPU Thermal Design Power means full power devoted towards processing tasks in real-time.

Ready for tomorrow

With ample storage and memory, Aurora is built to game and multitask today and beyond. This laptop features two upgradeable PCIe Gen 4 SSD slots and two user-upgradeable DDR5 SO-DIMM memory slots.

Game changing graphics

The 16 Aurora is available with NVIDIA GeForce RTX 4050, or step into the future of gaming and creation with NVIDIA GeForce RTX 50 Series Laptop GPUs, powered by NVIDIA Blackwell and AI. Designed to push boundaries, RTX 50 Series with NVIDIA Max-Q delivers optimized battery life and performance and jaw-dropping graphics fidelity-perfect for those who demand the extraordinary on the go.Next

Ray tracing redefined

Experience cinematic realism with full ray tracing and breakthrough neural rendering technologies. From stunning light reflections to intricate shadows, your in-game world looks better than ever.

AI-boosted gameplay

Unleash next-level performance and image quality with DLSS 4. Achieve ultra-smooth frame rates with Multi Frame Generation and enhanced Ray Reconstruction.

Competitive advantage

Compete faster with NVIDIA Reflex 2 technology featuring Frame Warp, which further reduces latency based on the game's latest mouse input.

Unparalleled video playback

The RTX 50 Series redefines how you enjoy your favorite movies, shows and videos. With advanced AI-powered upscaling and buttery-smooth playback, immerse yourself in vibrant colors, stunning clarity and flawless streaming.

Immersive entertainment

Rethink how you stream, chat or create content with NVIDIA Broadcast's advanced AI enhancements. Clear your audio, upgrade your video, and craft your AI-powered home studio effortlessly.

The new Cryo-Chamber design optimizes airflow, cooling and performance.

Precision cooling for maximum efficiency

The new Cryo-Chamber design optimizes airflow, cooling and performance.

Intentional airflow

Air is strategically pulled in above the keyboard and in the Cryo-Chamber, and out four exhaust vents on the sides.

Quiet and cool

Expertly designed fans keep the system running smoothly and quietly.

Built to last

Efficient thermal design protects internal components and extends the life of the system.

Advanced thermals for extended play

Our advanced cooling technology, Alienware Cryo-tech, is designed to maintain system stability even during the most demanding sessions.

Dual fans

Two fans with ultra-thin blades pull cool air in from the top and bottom; exhaust hot air out 4 vents to help enable higher performance.

Copper heat pipes

Three copper heat pipes dissipate heat from the CPU and GPU ensuring seamless gaming.

Encounter total gameplay immersion

Get the full Alienware experience, anywhere, with a brilliant screen, intuitive design and seamless connectivity.

Blend into any environment

Activate Stealth Mode with F7 to switch performance to Quiet Mode for a more subtle, covert experience.

Total command

Control more than ever with Alienware Command Center.

Convenient presets

Maximize your gameplay with performance presets for the power you need, no matter what you're doing.

Performance overlay

Manage and see CPU, GPU, memory and thermals stats without exiting the game.

AlienFX

Customize your setup with lighting settings that extend to all your Alienware accessories, as well as key binds and calibration.

AlienVision

Toggle external Alienware monitor hardware-based overlays on/off to help you focus on the targets at hand.

Make everyday easier

Windows 11 comes with a modern design and multitasking tools to help you make everyday easier.

Windows Copilot Key

With one click, you have instant access to Copilot in Windows - Your own personal AI assistant. Get real answers, inspiration and solutions at your fingertips.

All for play, play for all

Game with the graphics you need, with the people you want, with the peripherals you prefer on Windows 11. Discover compatibility with a wide range of games, including the latest releases, through PC Game Pass.

Get your game on

Play hundreds of PC games, and day one blockbusters with your new Alienware PC and PC Game Pass - including EA play. With new games added all the time, there's always something new to play.

Ports and slots Rear view

- USB Type-A 3.2 Gen 1 Port
- Type-C Port (USB 3.2 Gen 2, DisplayPort 1.4) (iGPU)
- Type-C Port (USB 3.2 Gen 2, DisplayPort 1.4a) (iGPU)
- HDMI 2.1 (dGPU)
- Power/DC-in Port

Ports and slots Left view

- RJ-45 Ethernet
- USB Type-A 3.2 Gen 1 Port
- Global headset jack

Dimensions and weight

- Height (max): 0.89 in. (22.70 mm)
- Height (front): 0.73 in. (18.60 mm)
- Depth: 10.45 in. (265.43 mm)
- Width: 14.05 in. (356.98 mm)
- Maximum weight: 5.68 lb (2.57 kg)
- 130W power adapter: 1.15 lb (0.52 kg)
- 180W power adapter: 1.25 lb (0.58 kg)

Specifications:

Processor	Intel Core Processor (Series 2)
Operating System	Windows 11 Home / Pro
Graphics Card	NVIDIA GeForce RTX 4050, 6 GB GDDR6
	NVIDIA GeForce RTX 5060, 8 GB GDDR7
	NVIDIA GeForce RTX 5070, 8 GB GDDR7
Display	16", WQXGA, 120Hz, 300 nits, 100% sRGB, ComfortView Plus
Memory	DDR5, 5600 MT/s, 2 slots
Storage	M.2 PCIe NVMe SSD
Keyboard	Alienware White Backlit Keyboard, English US
Mouse	No Mouse

Ports	2 USB 3.2 Gen 1 (5 Gbps) ports
	1 USB 3.2 Gen 2 (10 Gbps) Type-C port with DisplayPort 1.4a ports
	1 USB 3.2 Gen 2 (10 Gbps) Type-C port with Power Delivery
	1 HDMI 2.1 port with Discrete Graphics Controller Direct Output
	1 universal audio jack (RCA, 3.5 mm)
	1 RJ45 Ethernet port, 1GbE
	1 power-adapter port
Slots	No slots
Dimensions & Weight	Height (rear): 0.60 in. (15.20 mm)
	Height (peak): 0.89 in. (22.70 mm)
	Height (front): 0.73 in. (18.61 mm)
	Width: 14.05 in. (356.98 mm)
	Depth: 10.45 in. (265.43 mm)
	Starting weight: 5.49 lb (2.49 kg)
	Maximum weight: 5.68 lb (2.57 kg)
	130W power adapter: 1.15 lb (0.52 kg)
	180W power adapter: 1.25 lb (0.58 kg)
Touchpad	Multi-touch gesture Premium Precision touchpad with integrated scrolling
Camera	720p at 30 fps HD camera, Dual-array microphones
Audio and Speakers	Stereo speakers, Realtek AL3204 Audio Controller, 2 W x 2 = 4 W total
Chassis	Interstellar Indigo
Wireless	MediaTek Wi-Fi 7 MT7925, 2x2, 802.11be, MU-MIMO, Bluetooth wireless card

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx.co.za/Buy-Notebooks-Laptops-NBDEAC16250C7321W11P-Alienware-lp-325304.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx.co.za/terms-of-use.php
Terms of Sale: https://www.comx.co.za/terms-of-sale.php

PDF generated: 2026-11-05 12:57:32.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.