ComX Computers
Product Specification Sheet

AC16250_RPLH-R_007

Alienware 16 Aurora AC16250 Core 2 Notebook Core 7 240H 5.2Ghz 16GB 1TB 16" WQXGA RTX 4050 6GB BT Win 11 Pro

Product Overview

Alienware 16 Aurora AC16250 Series Core Series 2 AC16250_RPLH-R_007 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), 16GB DDR5-5600 SO-Dimm Memory (2x8GB), 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 4050 with 6GB 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

Summary Overview:

The Alienware Aurora 16 AC16250 with RTX 4050 is ideal for South Africans looking for a powerful, modern Windows 11 Pro laptop built for high-performance tasks. Whether you're a gamer, remote worker, creative editor, or engineering student, this notebook balances speed, design, and future-ready specs. Users praise its premium build and display quality, and customer reviews mention fast boot times and efficient cooling during demanding sessions. With 16GB DDR5 RAM, a 1TB SSD, and dual USB-C ports, it's built for everyday use or power-hungry work. Order now online or shop directly to upgrade your productivity and gaming setup.

Laptop performance tier: Upper Mid-Range Gaming/Workstation

Uses: Gaming, video editing, software development, CAD, remote work, 3D design, multitasking

Overview:

Alienware Aurora 16 Gaming Laptop: Unleash Performance Anywhere

Power Meets Portability in the Alienware Aurora 16 (Model AC16250)

Experience high-end gaming in a sleek, mobile form. The Alienware Aurora 16 combines Intel Core Series 2 processors with up to NVIDIA GeForce RTX 5070 graphics, offering desktop-level performance in a laptop you can take anywhere. Its precision-crafted anodized aluminum design and 16-inch WQXGA display deliver both style and substance.

Features:

Built for Gamers on the Move

Compact, Powerful, Ready to Go

Designed for high-performance computing wherever you are, the Aurora 16 thrives in any environment. With NVIDIA's RTX 40 and 50 Series GPUs, expect stunning visuals and lightning-fast speeds-whether you're gaming, creating, or multitasking.

Slim Design, Maximum Output

Without a bulky thermal shelf, the Aurora 16 fits into tight setups with ease. It supports up to 115W of total system performance, balancing CPU and GPU load efficiently:

- GPU TGP: Up to 85W
- CPU TDP: Up to 45W

This smart engineering ensures the system stays cool and quiet even under pressure.

Stay Cool Under Pressure

Cryo-Tech Cooling for Extended Play

The advanced thermal design of Alienware's Cryo-tech architecture ensures efficient heat management. With optimized airflow and heat dissipation, the laptop delivers consistent power without overheating.

Cooling Innovations Include:

- Dual ultra-thin fans for powerful airflow
- Three copper heat pipes to move heat away quickly
- Ventilation routed through the keyboard and exhausts
- Intelligent thermal design for long-term performance stability

Cinematic Graphics with NVIDIA RTX 50 Series

AI-Powered Visuals That Impress

Featuring the latest Blackwell architecture, the RTX 50 Series enables ultra-realistic gameplay, AI-driven effects, and smoother rendering-perfect for gaming, streaming, or editing content.

Graphics Highlights:

- Real-time ray tracing and neural rendering
- DLSS 4 with Multi-Frame Generation
- NVIDIA Reflex 2 with Frame Warp for minimal latency
- Enhanced live-streaming with NVIDIA Broadcast tools

Immersive Visuals That Captivate

16-Inch WQXGA Display

The 2560x1600 resolution combined with a 120Hz refresh rate brings every detail to life. At 300-nits brightness, games and media look vivid, fast, and immersive-ideal for both competitive play and rich storytelling environments.

Designed for Daily Use

Lightweight and Travel-Friendly

Despite its high-powered internals, the Aurora 16 weighs just 5.68 pounds and measures under 0.9 inches thick. Its durable build and balanced design mean you can game or work comfortably wherever life takes you.

Future-Proof with Easy Upgrades

Equipped with dual PCIe Gen 4 SSD slots and two DDR5 SO-DIMM slots, the system is ready to grow with your needs.

Customize Every Element

Alienware Command Center: Full System Control

Tailor your experience with Alienware's robust software suite. The Command Center lets you optimize performance, monitor temps, and personalize lighting-all in one place.

Key

- Real-time performance stats (CPU, GPU, thermals)
- RGB lighting control via AlienFX
- AlienVision overlays for competitive advantage
- Custom profiles for gaming, streaming, or silent mode

Stealth Mode for Quiet Operation

Tap F7 to activate Stealth Mode-instantly lowering fan noise and dimming lights for discreet usage in libraries, cafes, or late-night settings.

Seamless Windows 11 Experience

Preloaded with Windows 11, the Aurora 16 supports advanced multitasking, Snap Layouts, and AI tools like Copilot. It's also fully compatible with PC Game Pass and EA Play, giving you access to top-tier games right out of the box.

Ports and Connectivity: Everything Within Reach

Rear Ports:

- USB-A 3.2 Gen 1
- 2x USB-C 3.2 Gen 2 (DisplayPort 1.4 support)
- HDMI 2.1 via discrete GPU
- DC-in power port

Left Side Ports:

- RJ-45 Ethernet
- USB-A 3.2 Gen 1
- Headset jack

Dimensions:

- Max height: 0.89 in (22.7 mm)
- Front height: 0.73 in (18.6 mm)
- Depth: 10.45 in (265.4 mm)
- Width: 14.05 in (357 mm)
- Weight: 5.68 lbs (2.57 kg)

Why Choose Alienware Aurora 16?

- Unmatched gaming performance in a sleek, compact design
- Upgrade-ready with dual SSD and DDR5 RAM slots
- Industry-leading thermal design for cooler sessions
- Stunning graphics powered by NVIDIA RTX 50 Series
- Total control with Alienware Command Center

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-AC16250_RPLH-R_007-Alienware-lp-325640.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: 2026-11-19 06:44:56.

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.