

Alienware Aurora ACT1250 - DT - AI Ready - Core Ultra 9 285K 3.7 GHz - 32 GB - SSD 2 TB (36YYW)

Alienware Aurora ACT1250 U9-285K Intel(R) ARL Ultra 9K (125W) 32GB Dual Channel DDR5 (2x 16GB - Green) 5200 MT/s 2TB NVMe M.2 PCIe SSD NVIDIA GeForce RTX 5080 16GB GDDR7 Intel Wi-Fi 7 BE200 (2x2) 802.11ax Wireless LAN and Bluetooth Keyboard not included No Mouse Power Cord - UK Windows 11 Home No anti-virus software Activate Your Microsoft 365 For A 30 Day Trial Platinum 1Y Basic Onsite



The Dell Alienware Aurora ACT1250 is crafted for avid gamers and content creators, delivering performance with its Intel Core Ultra 9 processor featuring 24 cores and clock speeds up to 5.7 GHz. This powerhouse is supported by 32 GB of DDR5 RAM, ensuring seamless multitasking for demanding applications. The integrated NVIDIA GeForce RTX 5080 graphics card with 16 GB of GDDR7 memory provides visuals and supports high-definition rendering, making it a choice for immersive gaming experiences.

Featuring a spacious 2 TB NVMe SSD, the system ensures rapid data access and faster load times, enhancing productivity. The cooling system with a 240 mm liquid radiator keeps the system running optimally during intense gaming sessions. Connectivity options include multiple USB 3.2 Gen 2 and USB4 ports, alongside wireless capabilities such as Wi-Fi 6 and Wi-Fi 7, providing users with fast and reliable Internet access. The Alienware Aurora ACT1250 serves as a desktop option for users seeking a powerful gaming machine.

Key Selling Points

- 24-core Intel Core Ultra 9 processor with max turbo speeds up to 5.7 GHz
- NVIDIA GeForce RTX 5080 graphics card with 16 GB of GDDR7 memory
- 2 TB NVMe SSD for fast storage and quick loading times
- Cooling system featuring a 240 mm liquid radiator
- Connectivity with Wi-Fi 6 and Wi-Fi 7 support

Product Features

Powerful processor

The Intel Core Ultra 9 processor with 24 cores offers performance for both gaming and productivity tasks, allowing for smooth and responsive operation during demanding applications.

Immersive graphics

Equipped with NVIDIA GeForce RTX 5080 graphics, this desktop delivers high-fidelity visuals and supports advanced gaming technologies to enhance the gaming experience.

Ample storage

With 2 TB of NVMe SSD storage, users can enjoy rapid data access and space for games, applications, and media without compromising speed.

Efficient cooling

The liquid cooling system with a 240 mm radiator ensures thermal management, keeping the system cool during intense gaming moments.

Robust connectivity

Featuring various USB ports and support for both Wi-Fi 6 and Wi-Fi 7, this system allows for versatile connectivity options for user preferences and needs.

Main Specifications

Product Description	Alienware Aurora ACT1250 - DT - AI Ready - Core Ultra 9 285K 3.7 GHz - 32 GB - SSD 2 TB
Type	Personal computer - DT AI Ready
Bundled Services	1 Year Basic Onsite
Processor	Intel Core Ultra 9 (Series 2) 285K / 3.7 GHz (up to 5.7 GHz, (24-core)
Neural Processor Unit (NPU)	Intel AI Boost - up to 13 TOPS
Cache Memory	36 MB

Cache Per Processor	36 MB
RAM	32 GB (installed) / 64 GB (max) - DDR5 SDRAM
Hard Drive	SSD 2 TB - PCI Express 4.0 x4 - M.2 2280 - NVMe Express (NVMe), triple-level cell (TLC)
Optical Storage	No optical drive
Graphics Controller	NVIDIA GeForce RTX 5080 - up to 8 TOPS
Video Memory	16 GB GDDR7 SDRAM
Gaming	Yes
Audio Output	5.1 channel surround
Networking	1GbE, Bluetooth, 802.11a, 802.11b/g/n, Wi-Fi 5, 2.5GbE, Wi-Fi 6, Wi-Fi 7
Power	(50/60 Hz)
OS Provided	Windows 11 Home
Software Included	Activate your Microsoft 365 for a 30 day trial
Colour	Platinum
Image Colour Disclaimer	The displayed product image may be a different colour
Dimensions (WxDxH)	19.7 cm x 45.84 cm x 41.8 cm
Weight	15.37 kg

Extended Specification

General

Type	Personal computer - AI Ready
Bundled Services	1 Year Basic Onsite
Product Form Factor	DT
Built-in Devices	Liquid cooling system with 240 mm radiator
Gaming	Yes
Colour	Platinum
Image Colour Disclaimer	The displayed product image may be a different colour

Expansion / Connectivity

Slots	1 PCIe 5.0 x16 2 PCIe 4.0 x4 1 (total) / 0 (free) x M.2 Card - 2230 (for wireless module) 2 (total) / 1 (free) x M.2 Card - 2230/2280 (for SSD)
Interfaces	1 x LAN (2.5Gigabit Ethernet) 2 x USB 2.0 (supports SmartPower On) 5 x USB 3.2 Gen 1 (one of them with PowerShare) 2 x USB-C 3.2 Gen 2 (one of them with PowerShare) USB4 (Power Delivery) 1 x audio line-in 1 x audio line-out 1 x SPDIF 1 x headphones/microphone

RAM

Installed Size	32 GB (installed) / 64 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	5200 MT/s
Rated Memory Speed	5200 MT/s
Form Factor	DIMM 288-pin
Slots	2 (Total) / 0 (empty)
Configuration Features	2 x 16 GB

Networking

Interface (Bus) Type	M.2 2230
Ethernet Controller	Killer E3100G
Wireless LAN Supported	Yes
Wireless NIC	Intel WI-FI 7 BE200

Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, Bluetooth, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, 2.5 Gigabit Ethernet, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7)
Features	Dual stream (2x2)
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11be

Miscellaneous

Gaming	Yes
Included Accessories	Clear side panel
Theft/Intrusion Protection	Security lock slot (cable lock sold separately), padlock loop
Security Slot Type	Kensington security slot

Power

Device Type	Power supply
Voltage Required	AC 90-264 V (50/60 Hz)
Power Provided	1000 Watt
80 PLUS Certification	80 PLUS Platinum

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	20 - 80% (non-condensing)

Cache Memory

Installed Size	36 MB
Cache Per Processor	36 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Windows 11 Home
Software	Activate your Microsoft 365 for a 30 day trial

Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	NVIDIA GeForce RTX 5080 - up to 8 TOPS
Video Memory	16 GB GDDR7 SDRAM

Audio Output

Sound Output Mode	5.1 channel surround
Compliant Standards	High Definition Audio

Hard Drive

Type	SSD - M.2 2280
Capacity	1 x 2 TB
Interface Type	PCI Express 4.0 x4
Features	NVM Express (NVMe), triple-level cell (TLC)

Dimensions & Weight

Width	19.7 cm
Depth	45.84 cm
Height	41.8 cm
Weight	15.37 kg

Processor / Chipset

CPU	Intel Core Ultra 9 (Series 2) 285K
Clock Speed	3.7 GHz (P-core) / 3.2 GHz (E-core)
Max Turbo Speed	5.7 GHz (P-core) / 4.6 GHz (E-core)
Number of Cores	24-core
CPU Qty	1
Max CPU Qty	1
Chipset Type	Intel Z890

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	13 TOPS
Total Processor Performance Up To (TOPS)	36 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WebNN, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

What's in the box

Alienware Aurora ACT1250
Clear side panel

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