

Alienware Aurora ACT1250 Intel Core Ultra 9 285K 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Windows 11 Home Desktop PC Black

Brand : Alienware

Product code: 1J3N5

Product name : Aurora ACT1250

Alienware Aurora ACT1250. Processor family: Intel Core Ultra 9, Processor model: 285K. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5080. Operating system installed: Windows 11 Home, Operating system architecture: 64-bit. Power supply: 1000 W. Chassis type: Desktop. Product type: PC. Weight: 15.4 kg. Product colour: Black



Processor		Network	
Processor manufacturer *	Intel	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Processor family *	Intel Core Ultra 9	WLAN controller manufacturer	Intel
Processor generation	Intel Core Ultra (Series 2)	WLAN controller model	Intel Wi-Fi 7 BE200
Processor model *	285K	Antenna type	2x2
Processor cores	24	Bluetooth	✓
Processor threads	24	Ports & interfaces	
Processor boost frequency	5.7 GHz	USB 2.0 ports quantity *	2
Performance cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Performance-core Max Turbo Frequency	5.5 GHz	USB4 Gen 2x2 ports quantity	1
Efficient-core Max Turbo Frequency	4.6 GHz	PowerShare	✓
Performance-core base frequency	3.7 GHz	Number of USB ports with PowerShare support	2
Efficient-core base frequency	3.2 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	36 MB	Line-out	✓
Processor cache type	Smart Cache	Line-in	✓
Number of processors installed	1	Combo headphone/mic port	✓
Processor base power	125 W	S/PDIF out port	✓
Maximum turbo power	250 W	Total number of SATA connectors	3
Neural processor unit (NPU)		Expansion slots	
Neural processor unit (NPU)	Intel AI Boost	PCI Express x4 (Gen 4.x) slots	2
Sparsity support	✓	PCI Express x16 (Gen 5.x) slots	1
Windows Studio effects support	✓		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		
Total processor performance up to NPU performance up to	36 TOPs 13 TOPs		

Neural processor unit (NPU)		Design	
GPU performance up to	8 TOPs	Chassis type *	Desktop
Memory		Placement supported	Vertical
Internal memory *	32 GB	Water cooling system	✓
Maximum internal memory *	64 GB	Cable lock slot	✓
Internal memory type	DDR5-SDRAM	Cable lock slot type	Wedge
Memory layout (slots x size)	2 x 16 GB	Product colour *	Black
Memory slots	2x DIMM	Viewing window	✓
Memory channels	Dual-channel	Performance	
Memory data transfer rate	5200 MT/s	Market positioning	Gaming
Storage		Motherboard chipset	Intel Z890
Total storage capacity *	2 TB	Audio chip	Realtek ALC1220
Storage media *	SSD	Audio system	High Definition Audio
Optical drive type *	✗	Audio output channels	5.1 channels
Total SSDs capacity	2 TB	Product type *	PC
Number of SSDs installed	1	Software	
SSD capacity	2 TB	Operating system architecture	64-bit
SSD interface	PCI Express 4.0	Operating system installed *	Windows 11 Home
NVMe	✓	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
SSD form factor	M.2	Power	
Graphics		Power supply *	1000 W
Discrete graphics card *	✓	Power supply input voltage	90 - 264 V
On-board graphics card *	✓	Power supply input frequency	47 - 63 Hz
Discrete graphics card model *	NVIDIA GeForce RTX 5080	80 PLUS certification	80 PLUS Platinum
Discrete graphics card memory	16 GB	Operational conditions	
Discrete graphics memory type	GDDR7	Operating temperature (T-T)	10 - 35 °C
Number of discrete graphics cards	1	Storage temperature (T-T)	-40 - 65 °C
On-board GPU manufacturer	Intel	Operating relative humidity (H-H)	20 - 80%
On-board graphics card family	Intel® Graphics	Storage relative humidity (H-H)	5 - 95%
On-board graphics card model *	Intel® Graphics	Operating altitude	-15.2 - 3048 m
Graphics card HDMI ports quantity	1	Non-operating altitude	-15.2 - 10668 m
Graphics card DisplayPorts quantity	3	Operating vibration	0.26 G
Network		Non-operating vibration	1.37 G
Ethernet LAN *	✓	Operating shock	40 G
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	Non-operating shock	105 G
LAN controller	Killer E3100G	Weight & dimensions	
Wi-Fi *	✓	Width *	197 mm
Top Wi-Fi standard	Wi-Fi 7 (802.11be)	Depth *	458.4 mm
		Height *	418 mm
		Weight *	15.4 kg
		Packaging content	
		Cables included	AC
		Display	
		Display included *	✗
		Other features	
		Special features	Clear Door & 240mm Liquid Cooler with AlienFX lighting



5397184970447

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.