

Alienware AC16251 Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Home US International Indigo

Brand : Alienware

Product code: MWMXP

Product name : AC16251



Alienware AC16251. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5070. Operating system installed: Windows 11 Home. Product colour: Indigo

Design		Audio	
Colour name	Gamut	Speaker power	2.5 W
Product type *	Laptop	Built-in microphone	✓
Product colour *	Indigo	Number of microphones	2
Form factor *	Clamshell	Camera	
Market positioning	Gaming	Front camera	✓
Display		Front camera resolution (numeric)	2.07 MP
Display diagonal *	40.6 cm (16")	Front camera resolution	1920 x 1080 pixels
Display resolution *	2560 x 1600 pixels	Front camera HD type	Full HD
Touchscreen *	✗	Video capturing speed	30 fps
HD type	WQXGA	Infrared (IR) camera	✓
Panel type	WVA	Network	
Display technology marketing name	ComfortView Plus	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	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)
Anti-glare screen	✓	Mobile network connection *	✗
Display brightness	500 cd/m²	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Pixel density	189 ppi	Antenna type	2x2
RGB colour space	DCI-P3	WLAN controller model	MediaTek MT7925
Colour gamut	100%	WLAN controller manufacturer	MediaTek
Low Blue Light technology	✓	Ethernet LAN	✓
Maximum refresh rate	240 Hz	Ethernet LAN data rates	10,100,1000 Mbit/s
Contrast ratio (typical)	1000:1	Bluetooth	✓
Processor		MIMO	✓
Processor manufacturer *	Intel	MIMO type	Multi User MIMO
Processor family *	Intel Core Ultra 9	Ports & interfaces	
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor model *	275HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor threads	24		
Processor boost frequency	5.4 GHz		
Performance cores	8		
Efficient cores	16		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.4 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4.6 GHz	HDMI version	2.1
Performance-core base frequency	2.7 GHz	Thunderbolt 4 ports quantity	1
Efficient-core base frequency	2.1 GHz	Intel® Thunderbolt 4	✓
Processor cache	36 MB	Combo headphone/mic port	✓
Processor base power	55 W	USB Type-C DisplayPort Alternate Mode	✓
Maximum turbo power	160 W		
Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Touchpad
Sparsity support	✓	Numeric keypad *	✓
Windows Studio effects support	✓	Keyboard backlit	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard backlit colour	RGB
Total processor performance up to	36 TOPs	Keyboard backlit zone	1-zone RGB
NPU performance up to	13 TOPs	Keyboard language	US International
GPU performance up to	8 TOPs		
Memory		Software	
Internal memory *	32 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Trial software	McAfee + Premium 1-year,Activate Your Microsoft 365 For A 30 Day Trial
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Home
Memory layout (slots x size)	2 x 16 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Memory data transfer rate	5600 MT/s		
Non-ECC	✓		
Storage		Brand-specific features	
Total storage capacity *	1 TB	Brand specific technologies	Express Charge Boost capable
Storage media *	SSD		
Total SSDs capacity	1 TB		
Number of SSDs installed	1		
SSD capacity	1 TB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Number of battery cells	6
Discrete graphics card memory	8 GB	Battery capacity *	96 Wh
Discrete graphics memory type	GDDR7	Battery voltage	11.7 V
On-board graphics card *	✓	Battery recharge time	3 h
On-board GPU manufacturer	Intel	Fast charging	✓
Discrete graphics card *	✓	Battery charge indicator	✓
On-board graphics card family	Intel® Graphics	Battery weight	351 g
On-board graphics card model *	Intel® Graphics		
NVIDIA G-SYNC	✓		
Audio		Power	
Audio chip	Realtek ALC3204	AC adapter power	280 W
Audio system	High Definition Audio	AC adapter frequency	50 - 60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
		AC adapter output voltage	19.5 V
		DC-in jack	✓
		USB Type-C charging port *	✓
		USB Type-C required charging power (min) *	90 W
		USB Type-C required charging power (max) *	100 W
		USB Power Delivery (USB PD)	✓
		Operational conditions	
		Operating temperature (T-T)	0 - 35 °C
		Storage temperature (T-T)	-40 - 65 °C
		Operating relative humidity (H-H)	10 - 90%
		Storage relative humidity (H-H)	5 - 95%
		Operating altitude	-15.2 - 3048 m
		Non-operating altitude	-15.2 - 10668 m
		Operating shock	140 G
		Operating vibration	0.66 G
		Weight & dimensions	
		Width	357 mm
		Depth	265.4 mm
		Height (front)	1.92 cm
		Height (rear)	1.63 cm

Weight & dimensions	
Weight *	2.66 kg
Packaging content	
AC adapter included *	✓



5397184967515

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.