

Alienware AC16251 Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 64 GB DDR5-SDRAM 4 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Home Indigo German

Brand : Alienware

Product code: RKMW3

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: 64 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 4 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	German
GPU performance up to	8 TOPs		
Memory		Software	
Internal memory *	64 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 32 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 *	4 TB	Brand specific technologies	Express Charge Boost capable
Storage media *	SSD		
Total SSDs capacity	4 TB		
Number of SSDs installed	2		
SSD capacity	2 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 *	✓



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