

Alienware AC16251 Intel Core Ultra 5 235HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Home German Indigo

Brand : Alienware

Product code: CKY6R

Product name : AC16251



Alienware AC16251. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 235HX. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5060. Operating system installed: Windows 11 Home. Product colour: Indigo

Design		Audio	
Colour name	Gamut	Built-in microphone	✓
Product type *	Laptop	Number of microphones	2
Product colour *	Indigo	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera resolution (numeric)	2.07 MP
Display		Front camera resolution	1920 x 1080 pixels
Display diagonal *	40.6 cm (16")	Front camera HD type	Full HD
Display resolution *	2560 x 1600 pixels	Video capturing speed	30 fps
Touchscreen *	✗	Infrared (IR) camera	✓
HD type	WQXGA	Network	
Panel type	WVA	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display technology marketing name	ComfortView Plus	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)
Native aspect ratio	16:10	Mobile network connection *	✗
Anti-glare screen	✓	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Display brightness	500 cd/m ²	Antenna type	2x2
Pixel density	189 ppi	WLAN controller model	MediaTek MT7925
RGB colour space	DCI-P3	WLAN controller manufacturer	MediaTek
Colour gamut	100%	Ethernet LAN	✓
Low Blue Light technology	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	240 Hz	Bluetooth	✓
Contrast ratio (typical)	1000:1	MIMO	✓
Processor		MIMO type	Multi User MIMO
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel Core Ultra 5	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor model *	235HX	Ethernet LAN (RJ-45) ports	1
Processor cores	14	HDMI ports quantity *	1
Processor threads	14		
Processor boost frequency	5.1 GHz		
Performance cores	6		
Efficient cores	8		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.1 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	4.5 GHz	Thunderbolt 4 ports quantity	1
Performance-core base frequency	2.9 GHz	Intel® Thunderbolt 4	✓
Efficient-core base frequency	2.6 GHz	Combo headphone/mic port	✓
Processor cache	24 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	55 W	Keyboard	
Maximum turbo power	160 W	Pointing device	Touchpad
Neural processor unit (NPU)		Numeric keypad *	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit	✓
Sparsity support	✓	Keyboard backlit colour	RGB
Windows Studio effects support	✓	Keyboard backlit zone	1-zone RGB
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard language	German
NPU performance up to	13 TOPs	Software	
Memory		Operating system architecture	64-bit
Internal memory *	16 GB	Trial software	McAfee + Premium 1-year,Activate Your Microsoft 365 For A 30 Day Trial
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM	Brand-specific features	
Memory layout (slots x size)	2 x 8 GB	Brand specific technologies	Express Charge Boost capable
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	64 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory data transfer rate	5600 MT/s	Number of battery cells	6
Non-ECC	✓	Battery capacity *	96 Wh
Storage		Battery voltage	11.7 V
Total storage capacity *	512 GB	Battery recharge time	3 h
Storage media *	SSD	Fast charging	✓
Total SSDs capacity	512 GB	Battery charge indicator	✓
Number of SSDs installed	1	Battery weight	351 g
SSD capacity	512 GB	Power	
SSD interface	PCI Express 4.0	AC adapter power	180 W
NVMe	✓	AC adapter frequency	50 - 60 Hz
SSD form factor	M.2	AC adapter input voltage	100 - 240 V
Optical drive type *	✗	AC adapter output voltage	19.5 V
Graphics		DC-in jack	✓
Discrete GPU manufacturer	NVIDIA	USB Type-C charging port *	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5060	USB Type-C required charging power (min) *	90 W
Discrete graphics card memory	8 GB	USB Type-C required charging power (max) *	100 W
Discrete graphics memory type	GDDR7	USB Power Delivery (USB PD)	✓
On-board graphics card *	✓	Operational conditions	
On-board GPU manufacturer	Intel	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card *	✓	Storage temperature (T-T)	-40 - 65 °C
On-board graphics card family	Intel® Graphics	Operating relative humidity (H-H)	10 - 90%
On-board graphics card model *	Intel® Graphics	Storage relative humidity (H-H)	5 - 95%
NVIDIA G-SYNC	✓	Operating altitude	-15.2 - 3048 m
Audio		Non-operating altitude	-15.2 - 10668 m
Audio chip	Realtek ALC3204	Operating shock	140 G
Audio system	High Definition Audio	Operating vibration	0.66 G
Number of built-in speakers	2	Weight & dimensions	
Speaker power	2.5 W	Width	357 mm
		Depth	265.4 mm
		Height (front)	1.92 cm
		Height (rear)	1.63 cm
		Weight *	2.66 kg

Packaging content

AC adapter included *





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