

Alienware AC16250 Intel Core 9 270H Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Home Indigo

Brand : Alienware

Product code: AC16250_RPLH-R_011_HOM

Product name : AC16250



Alienware AC16250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core 9, Processor model: 270H. 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: 1 TB, 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	Interstellar Indigo	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)	0.92 MP
Display		Front camera resolution	1280 x 720 pixels
Display diagonal *	40.6 cm (16")	Front camera HD type	HD
Display resolution *	2560 x 1600 pixels	Video capturing speed	30 fps
Touchscreen *	✗	Network	
HD type	WQXGA	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Panel type	WVA	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)
Display technology marketing name	ComfortView Plus	Mobile network connection *	✗
Native aspect ratio	16:10	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Anti-glare screen	✓	Wi-Fi data rate (max)	2882 Mbit/s
Display brightness	300 cd/m²	Antenna type	2x2
Pixel density	189 ppi	WLAN controller model	MediaTek MT7925
RGB colour space	sRGB	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	120 Hz	Bluetooth	✓
Contrast ratio (typical)	1000:1	Ports & interfaces	
Processor		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor family *	Intel Core 9	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel Core (Series 2)	HDMI ports quantity *	1
Processor model *	270H	HDMI version	2.1
Processor cores	14	Combo headphone/mic port	✓
Processor threads	20		
Processor boost frequency	5.8 GHz		
Performance cores	6		
Efficient cores	8		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.8 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Keyboard	
Performance-core base frequency	2.7 GHz	Pointing device	Touchpad
Efficient-core base frequency	2 GHz	Numeric keypad *	✓
Processor cache	24 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Software	
Processor base power	45 W	Operating system architecture	64-bit
Maximum turbo power	115 W	Trial software	McAfee+ Premium 1Yr,Microsoft Office Trial
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	SO-DIMM	Number of battery cells	6
Memory layout (slots x size)	2 x 8 GB	Battery capacity *	96 Wh
Memory slots	2x SO-DIMM	Battery voltage	11.7 V
Maximum internal memory *	32 GB	Battery recharge time	3 h
Memory data transfer rate	5600 MT/s	Fast charging	✓
Storage		Battery charge indicator	✓
Total storage capacity *	1 TB	Battery weight	351 g
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	180 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	1 TB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express 4.0	AC adapter output voltage	19.5 V
NVMe	✓	DC-in jack	✓
SSD form factor	M.2	USB Type-C charging port *	✓
M.2 SSD size	2230 (22 x 30 mm)	USB Type-C required charging power (min) *	90 W
Optical drive type *	✗	USB Type-C required charging power (max) *	100 W
Graphics		USB Power Delivery (USB PD)	✓
Discrete GPU manufacturer	NVIDIA	Operational conditions	
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Operating temperature (T-T)	0 - 35 °C
Discrete graphics card memory	8 GB	Storage temperature (T-T)	-40 - 65 °C
Discrete graphics memory type	GDDR7	Operating relative humidity (H-H)	10 - 90%
On-board graphics card *	✓	Storage relative humidity (H-H)	5 - 95%
On-board GPU manufacturer	Intel	Operating altitude	-15.2 - 3048 m
Discrete graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
On-board graphics card family	Intel® Graphics	Operating shock	140 G
On-board graphics card model *	Intel® Graphics	Operating vibration	0.66 G
Audio		Weight & dimensions	
Audio chip	Realtek ALC3204	Width	357 mm
Audio system	High Definition Audio	Depth	265.4 mm
Number of built-in speakers	2	Height (front)	1.86 cm
Speaker power	2.5 W	Height (rear)	1.52 cm
		Weight *	2.49 kg
		Packaging content	
		AC adapter included *	✓

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