

Alienware m16 R2 Intel Core Ultra 7 155H Laptop 40,6 cm (16") Quad HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : Alienware

Product code: NAWM16R201

Product name : m16 R2



- Windows 11 Home 64-bit
- Intel Core Ultra 7 155H (24MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600 WVA, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB DDR5-SDRAM (2 x 8) & 1000GB SSD
Intel Core Ultra 7 155H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 WVA, Intel Arc Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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Experience high-performance gaming with iconic designs and intelligently engineered laptops. Alienware m16 R2. Product type: Laptop, Form factor: Clamshell. Processor type: Intel Core Ultra 7, Processor: 155H. Display diagonal: 40,6 cm (16"), HD type: Quad HD+, 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 Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4060. Operating system software: Windows 11 Home. Product colour: Black

Design		Graphics	
Color name	Dark Metallic Moon	On-board graphics card family	Intel Arc Graphics
Product type *	Laptop	On-board graphics card model *	Intel Arc Graphics
Product colour *	Black	Audio	
Form factor *	Clamshell	Audio chip	Realtek ALC3254
Market positioning	Gaming	Number of built-in speakers	2
Display		Speaker power	2 W
Display diagonal *	40,6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Number of microphones	2
Touchscreen *	✗	Camera	
HD type	Quad HD+	Front camera	✓
Panel type	WVA	Front camera resolution (numeric)	2,07 MP
LED backlight	✓	Front camera resolution	1920 x 1080 pixels
Native aspect ratio	16:9	Front camera HD type	Full HD
Anti-glare screen	✓	Video capturing speed	30 fps
Display brightness	300 cd/m²	Infrared (IR) camera	✓
Pixel density	188,7 ppi	Network	
RGB colour space	sRGB	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Color gamut	100%	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Mobile network connection *	✗
Contrast ratio (typical)	1000:1	Wi-Fi data rate (max)	2400 Mbit/s
Processor		WLAN controller model	Intel Wi-Fi 7 BE202
Processor manufacturer *	Intel	WLAN controller manufacturer	Intel
Processor type *	Intel Core Ultra 7	Ethernet LAN connection	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Ethernet LAN data rates	2500 Mbit/s
Processor *	155H	Bluetooth	✓
Processor number of cores	16	Ports & interfaces	
Processor threads	22	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor boost frequency	4,8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Performance cores	6	Ethernet LAN (RJ-45) ports	1
Efficient cores	8		
Low Power Efficient-cores	2		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	4,8 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	3,8 GHz	HDMI version	2.1
Low Power Efficient-core Max Turbo Frequency	2,5 GHz	Thunderbolt 4 ports quantity	1
Performance-core base frequency	1,4 GHz	Intel® Thunderbolt 4	✓
Efficient-core base frequency	0,9 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Base Frequency	700 MHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	PowerShare	✓
Processor cache type	Smart Cache	Number of USB ports with PowerShare support	1
Processor base power	28 W	Keyboard	
Maximum turbo power	115 W	Pointing device	Touchpad
Neural processor unit (NPU)		Numeric keypad *	✗
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit	✓
Maximum frequency NPU	1,4 GHz	Keyboard backlit colour	RGB
Sparsity support	✓	Software	
Windows Studio effects support	✓	Operating system architecture	64-bit
AI datatype support on NPU	FP16, FP32, Int8	Operating system software *	Windows 11 Home
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	16 GB	Number of battery cells	6
Internal memory type	DDR5-SDRAM	Battery capacity *	90 Wh
Memory form factor	SO-DIMM	Battery voltage	11,7 V
Memory layout (slots x size)	2 x 8 GB	Battery recharge time	3 h
Memory slots	2x SO-DIMM	Fast charging	✓
Maximum memory *	64 GB	Battery weight	340 g
Memory data transfer rate	5600 MT/s	Power	
Storage		AC adapter power	240 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	AC adapter output voltage	19.5 V
Number of SSDs installed	1	DC-in jack	✓
Solid-state drive capacity	1 TB	USB Power Delivery (USB PD)	✓
Solid-state drive interfaces	PCI Express 4.0	Operational conditions	
NVMe	✓	Operating temperature (T-T)	0 - 35 °C
SSD form factor	M.2	Storage temperature (T-T)	-40 - 65 °C
Optical drives *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✓	Storage humidity	5 - 95%
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Operating altitude	-15,2 - 3048 m
Graphics		Non-operating altitude	-15,2 - 10668 m
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Operating shock	140 G
Discrete graphics card memory	8 GB	Operating vibration	0,66 G
Discrete graphics memory type	GDDR6	Weight & dimensions	
On-board graphics card *	✓	Width	363,9 mm
On-board GPU manufacturer	Intel	Depth	249,9 mm
Discrete graphics card *	✓	Height (front)	2 cm
		Height (rear)	2,35 cm
		Weight *	2,6 kg
		Packaging content	
		AC adapter included *	✓
		Cables included	AC

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