



MSI Raider 18 HX AI A2XWJG-841US Intel Core Ultra 9 285HX Laptop 45.7 cm (18") UHD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black



Brand : MSI

Product family: Raider

Product code: RAIDER 18 HX AI A2XWJG-841US

Product name : Raider 18 HX AI A2XWJG-841US

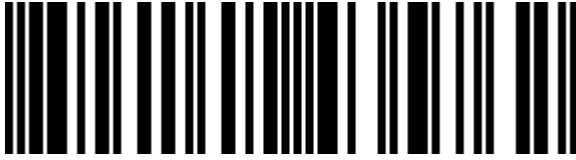
- Windows 11 Home
- Intel Core Ultra 9 285HX (36MB Cache)
- 45.7 cm (18") UHD+ 3840 x 2400 Mini LED, NVIDIA GeForce RTX 5090 (24GB GDDR7)
- 32GB (5600MHz) DDR5-SDRAM & 1000GB SSD

Intel Core Ultra 9 285HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") UHD+ 3840 x 2400 Mini LED, Intel Graphics, NVIDIA GeForce RTX 5090 (24GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home

MSI Raider 18 HX AI A2XWJG-841US. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285HX. Display diagonal: 45.7 cm (18"), HD type: UHD+, Display resolution: 3840 x 2400 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 5090. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Colour name	Core Black	Discrete graphics card memory	24 GB
Product type *	Laptop	Discrete graphics memory type	GDDR7
Product colour *	Black	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Market positioning	Gaming	Discrete graphics card *	✓
Original brand name	MSI	On-board graphics card family	Intel® Graphics
Display		On-board graphics card model *	Intel® Graphics
Display diagonal *	45.7 cm (18")	Audio	
Display resolution *	3840 x 2400 pixels	Number of built-in speakers	2
Touchscreen *	✗	Speaker power	2 W
HD type	UHD+	Built-in subwoofer	✓
Panel type	Mini LED	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1920 x 1080 pixels
RGB colour space	DCI-P3	Front camera HD type	Full HD
Colour gamut	100%	Video capturing speed	30 fps
Maximum refresh rate	120 Hz	Infrared (IR) camera	✓
High Dynamic Range (HDR) supported	✓	Privacy camera	✓
High Dynamic Range (HDR) technology	DisplayHDR 1000	Privacy type	Privacy shutter
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor family *	Intel Core Ultra 9	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor generation	Intel Core Ultra (Series 2)	Mobile network connection *	✗
Processor model *	285HX	Ethernet LAN	✓
Processor cores	24	Ethernet LAN data rates	2500 Mbit/s
Processor threads	24	Bluetooth	✓
Processor boost frequency	5.5 GHz	Bluetooth version	5.4
Performance cores	8	Ports & interfaces	
Efficient cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance-core Max Turbo Frequency	5.5 GHz		
Efficient-core Max Turbo Frequency	4.6 GHz		

Processor		Ports & interfaces	
Performance-core base frequency	2.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient-core base frequency	2.1 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	36 MB	HDMI ports quantity *	1
Processor base power	55 W	HDMI version	2.1
Maximum turbo power	160 W	Thunderbolt 4 ports quantity	2
Neural processor unit (NPU)		Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Sparsity support	✓	USB Type-C DisplayPort Alternate Mode	✓
Windows Studio effects support	✓	Performance	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Motherboard chipset	Intel SoC
Total processor performance up to	36 TOPs	Keyboard	
NPU performance up to	13 TOPs	Pointing device	Touchpad
GPU performance up to	8 TOPs	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	Per-key RGB
Memory clock speed	5600 MHz	Copilot key	✓
Memory slots	2x SO-DIMM	Software	
Maximum internal memory *	96 GB	Operating system installed *	Windows 11 Home
Storage		Battery	
Total storage capacity *	1 TB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	99.99 Wh
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	AC adapter power	400 W
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Kensington
Card reader integrated	✓	Fingerprint reader	✓
Compatible memory cards	SD	Trusted Platform Module (TPM)	✓
Graphics		Trusted Platform Module (TPM) version	2.0
Discrete GPU manufacturer	NVIDIA	Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Width	404 mm
		Depth	307 mm
		Height	32 mm
		Weight *	3.6 kg
		Packaging content	
		AC adapter included *	✓



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