



MSI Stealth 18 AI Studio A1VHG-004FR Intel Core Ultra 9 185H Laptop 45,7 cm (18") UHD+ 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 7 (802.11be) Windows 11 Pro Black

Brand : MSI

Product family: Stealth

Article code: STEALTH 18 AI STUDIO A1VHG-004FR

Product name : Stealth 18 AI Studio A1VHG-004FR



MSI Stealth 18 AI Studio A1VHG-004FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 45,7 cm (18"), HD type: UHD+, Display resolution: 3840 x 2400 pixels. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Pro. Product color: Black



Design		Graphics	
Colour name	Midnight Black	Discrete graphics card memory	12 GB
Product type *	Laptop	Discrete graphics memory type	GDDR6
Product colour *	Black	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Display		Discrete graphics card *	✓
Display diagonal *	45.7 cm (18")	On-board graphics card family	Intel Arc Graphics
Display resolution *	3840 x 2400 pixels	On-board graphics card model *	Intel Arc Graphics
Touchscreen *	✗	Audio	
HD type	UHD+	Number of built-in speakers	2
Panel type	Mini LED	Speaker power	2 W
RGB colour space	DCI-P3	Camera	
Colour gamut	100%	Front camera	✓
Maximum refresh rate	120 Hz	Front camera resolution	1920 x 1080 pixels
High Dynamic Range (HDR) supported	✓	Front camera HD type	Full HD
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 1000	Video capturing speed	30 fps
Processor		Privacy camera	✓
Processor manufacturer *	Intel	Privacy type	Privacy shutter
Processor family *	Intel Core Ultra 9	Network	
Processor generation	Intel® Core™ Ultra (Series 1)	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor model *	185H	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor cores	16	Mobile network connection *	✗
Processor boost frequency	5.1 GHz	WLAN controller model	Intel Wi-Fi 7 BE200
Performance cores	6	WLAN controller manufacturer	Intel
Efficient cores	8	Ethernet LAN	✓
Performance-core Max Turbo Frequency	5.1 GHz	Ethernet LAN data rates	2500 Mbit/s
Efficient-core Max Turbo Frequency	3.8 GHz	Bluetooth	✓
		Bluetooth version	5.4

Processor		Ports & interfaces	
Performance-core base frequency	2.3 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient-core base frequency	1.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cache	24 MB	Ethernet LAN (RJ-45) ports	1
Processor cache type	Smart Cache	HDMI ports quantity *	1
Processor base power	45 W	HDMI version	2.1
Maximum turbo power	115 W	Thunderbolt 4 ports quantity	1
Neural processor unit (NPU)		Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Maximum frequency NPU	1.4 GHz	Charging port type	DC-in jack
Sparsity support	✓	USB Type-C DisplayPort Alternate Mode	✓
Windows Studio effects support	✓	Performance	
AI datatype support on NPU	FP16, FP32, Int8	Repairability index	8
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Keyboard	
Memory		Pointing device	Touchpad
Internal memory *	64 GB	Numeric keypad *	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit	✓
Memory clock speed	5600 MHz	Keyboard backlit colour	RGB
Memory layout (slots x size)	2 x 32 GB	Keyboard backlit zone	Per-key RGB
Memory slots	2x SO-DIMM	Software	
Maximum internal memory *	96 GB	Operating system installed *	Windows 11 Pro
Storage		Battery	
Total storage capacity *	2 TB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	99.9 Wh
Total SSDs capacity	2 TB	Power	
Number of SSDs installed	1	AC adapter power	280 W
SSD capacity	2 TB	Security	
SSD interface	PCI Express 4.0	Cable lock slot	✓
NVMe	✓	Cable lock slot type	Kensington
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✓	Weight & dimensions	
Compatible memory cards	SD	Width	400 mm
Graphics		Depth	289.7 mm
Discrete GPU manufacturer	NVIDIA	Height (front)	1.99 cm
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Height (rear)	2.4 cm
		Weight *	2.89 kg



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