



**MSI Stealth 16 AI Studio A1VGG-001UK Intel Core Ultra 9 185H Laptop 40.6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Blue**

**Brand :** MSI

**Product family:** Stealth

**Product code:** STEALTH 16 AI STUDIO A1VGG-001UK



**Product name :** Stealth 16 AI Studio A1VGG-001UK

- Windows 11 Home
  - Intel Core Ultra 9 185H (24MB Cache)
  - 40.6 cm (16") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
  - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
- Intel Core Ultra 9 185H (24MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600, Intel Arc Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home
- MSI Stealth 16 AI Studio A1VGG-001UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 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 4070. Operating system installed: Windows 11 Home. Product colour: Blue



Design		Graphics	
Colour name	Star Blue	Discrete GPU manufacturer	NVIDIA
Product type *	Laptop	Discrete graphics card model *	NVIDIA GeForce RTX 4070
Product colour *	Blue	Discrete graphics card memory	8 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR6
Original brand name	MSI	On-board graphics card *	✓
<b>Display</b>		On-board GPU manufacturer	Intel
Display diagonal *	40.6 cm (16")	Discrete graphics card *	✓
Display resolution *	2560 x 1600 pixels	On-board graphics card family	Intel Arc Graphics
Touchscreen *	✗	On-board graphics card model *	Intel Arc Graphics
HD type	Quad HD+	<b>Audio</b>	
Native aspect ratio	16:10	Audio system	Nahimic 3
Anti-glare screen	✓	Number of built-in speakers	2
Display brightness	500 cd/m <sup>2</sup>	Speakers manufacturer	Nahimic
RGB colour space	DCI-P3	Speaker power	2 W
Colour gamut	100%	<b>Camera</b>	
Maximum refresh rate	240 Hz	Front camera	✓
<b>Processor</b>		Front camera resolution	1920 x 1080 pixels
Processor manufacturer *	Intel	Front camera HD type	Full HD
Processor family *	Intel Core Ultra 9	Video capturing speed	30 fps
Processor generation	Intel® Core™ Ultra (Series 1)	Infrared (IR) camera	✓
Processor model *	185H	<b>Network</b>	
Processor cores	16	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor threads	22	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor boost frequency	5.1 GHz	Mobile network connection *	✗
Performance cores	6	WLAN controller model	Killer Wi-Fi 7 BE1750
Efficient cores	8	WLAN controller manufacturer	Killer
Low Power Efficient-cores	2	Ethernet LAN	✓
		Ethernet LAN data rates	10,100,1000,2500 Mbit/s

<b>Processor</b>		<b>Network</b>	
Performance-core Max Turbo Frequency	5.1 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Bluetooth version	5.4
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	<b>Ports &amp; interfaces</b>	
Performance-core base frequency	2.3 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Efficient-core base frequency	1.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Low Power Efficient-core Base Frequency	1000 MHz	Ethernet LAN (RJ-45) ports	1
Processor cache	24 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	HDMI version	2.1
Processor base power	45 W	Thunderbolt 4 ports quantity	1
Maximum turbo power	115 W	Intel® Thunderbolt 4	✓
<b>Neural processor unit (NPU)</b>		Combo headphone/mic port	✓
Neural processor unit (NPU)	Intel AI Boost	USB Type-C DisplayPort Alternate Mode	✓
Maximum frequency NPU	1.4 GHz	<b>Keyboard</b>	
Sparsity support	✓	Pointing device	Touchpad
Windows Studio effects support	✓	Numeric keypad *	✓
AI datatype support on NPU	FP16, FP32, Int8	Keyboard backlit	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Keyboard backlit colour	RGB
<b>Memory</b>		Keyboard backlit zone	Per-key RGB
Internal memory *	32 GB	<b>Software</b>	
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	5600 MHz	Killer Network, True Color, Nahimic 3, Gaming Mode, MSI App Player, Noise Cancellation, Game Highlights, Ambient Link, MSI Companion, Crosshair, Battery Master, MSI Center, Steelseries GG, Animaze, Discrete Graphics Mode, AI Voice Control, Ambient Silent AI, Smart Auto	
Memory form factor	SO-DIMM	Bundled software	
Memory layout (slots x size)	2 x 16 GB	<b>Battery</b>	
Memory slots	2x SO-DIMM	Number of battery cells	4
<b>Storage</b>		Battery capacity *	99.9 Wh
Total storage capacity *	2 TB	<b>Power</b>	
Storage media *	SSD	AC adapter power	240 W
Total SSDs capacity	2 TB	<b>Weight &amp; dimensions</b>	
Number of SSDs installed	1	Width	355.8 mm
SSD capacity	2 TB	Depth	259.7 mm
SSD interface	PCI Express 4.0	Height	19.9 mm
NVMe	✓	Weight *	1.99 kg
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	MicroSD (TransFlash)		



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