



MSI Prestige 16 AI STUDIO B1VGG-040UK Intel Core Ultra 7 155H Laptop 40.6 cm (16") Quad HD+ 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : MSI

Product family: Prestige

Product code: PRESTIGE 16 AI STUDIO B1VGG-040UK



Product name : Prestige 16 AI STUDIO B1VGG-040UK

- Windows 11 Home
- Intel Core Ultra 7 155H (24MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 32GB (6400MHz) LPDDR5-SDRAM & 1000GB SSD
- Intel Core Ultra 7 155H (24MB Cache), 32GB LPDDR5-SDRAM, 1000GB 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 Prestige 16 AI STUDIO B1VGG-040UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1 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: Grey



Design		Storage	
Colour name	Stellar Gray	Card reader integrated	✓
Product type *	Laptop	Compatible memory cards	SD
Product colour *	Grey	Graphics	
Form factor *	Clamshell	Discrete GPU manufacturer	NVIDIA
Original brand name	MSI	Discrete graphics card model *	NVIDIA GeForce RTX 4070
Display		Discrete graphics card memory	8 GB
Display diagonal *	40.6 cm (16")	Discrete graphics memory type	GDDR6
Display resolution *	2560 x 1600 pixels	On-board graphics card *	✓
Touchscreen *	✗	On-board GPU manufacturer	Intel
HD type	Quad HD+	Discrete graphics card *	✓
Anti-glare screen	✓	On-board graphics card family	Intel Arc Graphics
RGB colour space	DCI-P3	On-board graphics card model *	Intel Arc Graphics
Colour gamut	100%	Audio	
Maximum refresh rate	60 Hz	Number of built-in speakers	2
Processor		Camera	
Processor manufacturer *	Intel	Front camera	✓
Processor family *	Intel Core Ultra 7	Front camera resolution	1920 x 1080 pixels
Processor generation	Intel® Core™ Ultra (Series 1)	Front camera HD type	Full HD
Processor model *	155H	Video capturing speed	30 fps
Processor cores	16	Infrared (IR) camera	✓
Processor threads	22	Network	
Processor boost frequency	4.8 GHz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Performance cores	6	Wi-Fi standards	Wi-Fi 7 (802.11be)
Efficient cores	8	Mobile network connection *	✗
Low Power Efficient-cores	2	Ethernet LAN	✓
Performance-core Max Turbo Frequency	4.8 GHz	Ethernet LAN data rates	10,100,1000 Mbit/s
Efficient-core Max Turbo Frequency	3.8 GHz	Bluetooth	✓

Processor		Network	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Bluetooth version	5.4
Performance-core base frequency	1.4 GHz	Ports & interfaces	
Efficient-core base frequency	0.9 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Low Power Efficient-core Base Frequency	700 MHz	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	28 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	USB Type-C DisplayPort Alternate Mode	✓
Sparsity support	✓	Performance	
Windows Studio effects support	✓	Repairability index	8.1
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Keyboard	
Memory		Pointing device	Touchpad
Internal memory *	32 GB	Numeric keypad *	✓
Internal memory type	LPDDR5-SDRAM	Keyboard backlit	✓
Memory clock speed	6400 MHz	Keyboard backlit colour	White
Maximum internal memory *	32 GB	Software	
Storage		Operating system installed *	Windows 11 Home
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	99.9 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	140 W
SSD interface	PCI Express 4.0	Weight & dimensions	
NVMe	✓	Width	358.4 mm
Optical drive type *	✗	Depth	254.4 mm
		Height (front)	1.69 cm
		Height (rear)	1.9 cm
		Weight *	1.6 kg



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