



**MSI Prestige 16 AI Studio B1VFG-045FR Intel Core Ultra 7 155H Laptop 40,6 cm (16") Quad HD+ 32 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 7 (802.11be) Windows 11 Pro Grey**

**Brand :** MSI

**Product family:** Prestige

**Article code:** PRESTIGE 16 AI STUDIO B1VFG-045FR

**Product name :** Prestige 16 AI Studio B1VFG-045FR

MSI Prestige 16 AI Studio B1VFG-045FR. 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 4060. Operating system installed: Windows 11 Pro. Product color: Grey



Design		Graphics	
Colour name	Stellar Gray	Discrete GPU manufacturer	NVIDIA
Product type *	Laptop	Discrete graphics card model *	NVIDIA GeForce RTX 4060
Product colour *	Grey	Discrete graphics card memory	8 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR6
Original brand name	MSI	On-board graphics card *	✓
Display		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+	Audio	
Native aspect ratio	16:10	Number of built-in speakers	2
Anti-glare screen	✓	Speaker power	2 W
RGB colour space	DCI-P3	Camera	
Colour gamut	100%	Front camera	✓
Maximum refresh rate	60 Hz	Front camera resolution	1920 x 1080 pixels
Processor		Front camera HD type	Full HD
Processor manufacturer *	Intel	Video capturing speed	30 fps
Processor family *	Intel Core Ultra 7	Infrared (IR) camera	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Network	
Processor model *	155H	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor cores	16	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor boost frequency	4.8 GHz	Mobile network connection *	✗
Performance cores	6	Ethernet LAN	✓
Efficient cores	8	Ethernet LAN data rates	10,100,1000 Mbit/s
Performance-core Max Turbo Frequency	4.8 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Bluetooth version	5.4
Performance-core base frequency	1.4 GHz		

Processor		Ports & interfaces	
Efficient-core base frequency	0.9 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor cache	24 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cache type	Smart Cache	Ethernet LAN (RJ-45) ports	1
Processor base power	28 W	HDMI ports quantity *	1
Maximum turbo power	115 W	HDMI version	2.1
Neural processor unit (NPU)		Thunderbolt 4 ports quantity	1
Neural processor unit (NPU)	Intel AI Boost	Intel® Thunderbolt 4	✓
Maximum frequency NPU	1.4 GHz	Combo headphone/mic port	✓
Sparsity support	✓	USB Type-C DisplayPort Alternate Mode	✓
Windows Studio effects support	✓	Performance	
AI datatype support on NPU	FP16, FP32, Int8	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 Pro
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
Card reader integrated	✓	Height (front)	1.69 cm
Compatible memory cards	SD	Height (rear)	1.9 cm
		Weight *	1.6 kg



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