



**MSI Pulse 16 AI C1VGKG-001UK Intel Core Ultra 7 155H Laptop
40.6 cm (16") Quad HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA
GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black**

Brand : MSI

Product family: Pulse

Product code: PULSE 16 AI
C1VGKG-001UK



Product name : Pulse 16 AI
C1VGKG-001UK



- 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)
- 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
- Intel Core Ultra 7 155H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600, Intel Arc Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), WLAN, Webcam, Windows 11 Home

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The new Pulse 16 AI is more powerful and more intelligent than ever. After years of dominance, The Dragon Warriors face new threats. In their pursuit of victory, they've innovated a completely new form of pulse power, leveraging cutting-edge AI technology. As a result, they stand poised to ascend with this innovative, pulsating power in their arsenal!

Design		Graphics	
Colour name	Core Black	On-board graphics card family	Intel Arc Graphics
Product type *	Laptop	On-board graphics card model *	Intel Arc Graphics
Product colour *	Black	Audio	
Form factor *	Clamshell	Audio system	Nahimic 3
Country of origin	China	Number of built-in speakers	2
Display		Speakers manufacturer	Nahimic
Display diagonal *	40.6 cm (16")	Speaker power	2 W
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	Quad HD+	Front camera resolution	1280 x 720 pixels
Native aspect ratio	16:10	Front camera HD type	HD
Anti-glare screen	✓	Video capturing speed	30 fps
RGB colour space	DCI-P3	Privacy camera	✓
Colour gamut	100%	Privacy type	Privacy shutter
Maximum refresh rate	240 Hz	Network	
Processor		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor manufacturer *	Intel	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor family *	Intel Core Ultra 7	Mobile network connection *	✗
Processor generation	Intel® Core™ Ultra (Series 1)	WLAN controller model	Intel Wi-Fi 6E AX211
Processor model *	155H	WLAN controller manufacturer	Intel
Processor cores	16	Bluetooth	✓
Processor boost frequency	4.8 GHz	Bluetooth version	5.3
Performance cores	6	Ports & interfaces	
Efficient cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Performance-core Max Turbo Frequency	4.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient-core Max Turbo Frequency	3.8 GHz	Ethernet LAN (RJ-45) ports	1
Performance-core base frequency	1.4 GHz	HDMI ports quantity *	1
Efficient-core base frequency	0.9 GHz	HDMI version	2.1
Processor cache	24 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	28 W		
Maximum turbo power	115 W		

Neural processor unit (NPU)		Ports & interfaces	
Neural processor unit (NPU)	AMD Ryzen AI	USB Sleep-and-Charge	✓
Maximum frequency NPU	1.4 GHz	Keyboard	
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
Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	Battery	
Memory clock speed	5600 MHz	Battery technology	Lithium Polymer (LiPo)
Memory layout (slots x size)	2 x 8 GB	Number of battery cells	4
Memory slots	2x SO-DIMM	Battery capacity *	90 Wh
Maximum internal memory *	96 GB	Power	
Storage		AC adapter power	240 W
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	1 TB	Cable lock slot type	Kensington
Number of SSDs installed	1	Trusted Platform Module (TPM)	✓
SSD capacity	1 TB	Trusted Platform Module (TPM) version	2.0
SSD interface	PCI Express 4.0	Weight & dimensions	
NVMe	✓	Width	359 mm
Optical drive type *	✗	Depth	266 mm
Graphics		Height	300 mm
Discrete GPU manufacturer	NVIDIA	Height (front)	2.18 cm
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Height (rear)	2.79 cm
Discrete graphics card memory	8 GB	Weight *	2.5 kg
Discrete graphics memory type	GDDR6	Packaging data	
On-board graphics card *	✓	Package width	489 mm
On-board GPU manufacturer	Intel	Package depth	93 mm
Discrete graphics card *	✓	Package height	315 mm
		Package weight	2.9 kg
		Package volume	89100 cm ³
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000
		Other features	
		Warranty period	2 year(s)



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