



**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 MSI Pulse 16 AI C1VGKG-001UK. 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: 16 GB, Internal memory type: DDR5-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: Black



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	<b>Audio</b>	
Form factor *	Clamshell	Audio system	NAHIMIC 3
<b>Display</b>		Number of built-in speakers	2
Display diagonal *	40.6 cm (16")	Speakers manufacturer	Nahimic
Display resolution *	2560 x 1600 pixels	Speaker power	2 W
Touchscreen *	✗	<b>Camera</b>	
HD type	Quad HD+	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1280 x 720 pixels
RGB colour space	DCI-P3	Front camera HD type	HD
Colour gamut	100%	Video capturing speed	30 fps
Maximum refresh rate	240 Hz	Privacy camera	✓
<b>Processor</b>		Privacy type	Privacy shutter
Processor manufacturer *	Intel	<b>Network</b>	
Processor family *	Intel Core Ultra 7	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor generation	Intel Core Ultra (Series 1)	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor model *	155H	Mobile network connection *	✗
Processor cores	16	WLAN controller model	Intel Wi-Fi 6E AX211
Processor boost frequency	4.8 GHz	WLAN controller manufacturer	Intel
Performance cores	6	Bluetooth	✓
Efficient cores	8	Bluetooth version	5.3
Performance-core Max Turbo Frequency	4.8 GHz	<b>Ports &amp; interfaces</b>	
Efficient-core Max Turbo Frequency	3.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Performance-core base frequency	1.4 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient-core base frequency	0.9 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	24 MB		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor cache type	Smart Cache	HDMI ports quantity *	1
Processor base power	28 W	HDMI version	2.1
Maximum turbo power	115 W	Combo headphone/mic port	✓
<b>Neural processor unit (NPU)</b>		USB Type-C DisplayPort Alternate Mode	✓
Neural processor unit (NPU)	AMD Ryzen AI	USB Sleep-and-Charge	✓
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>		<b>Software</b>	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	<b>Battery</b>	
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	<b>Power</b>	
<b>Storage</b>		AC adapter power	240 W
Total storage capacity *	1 TB	<b>Security</b>	
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	<b>Weight &amp; dimensions</b>	
NVMe	✓	Width	359 mm
Optical drive type *	✗	Depth	266.4 mm
<b>Graphics</b>		Height (front)	2.18 cm
Discrete GPU manufacturer	NVIDIA	Height (rear)	2.79 cm
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Weight *	2.5 kg
Discrete graphics card memory	8 GB	<b>Packaging data</b>	
Discrete graphics memory type	GDDR6	Package width	489 mm
On-board graphics card *	✓	Package depth	93 mm
On-board GPU manufacturer	Intel	Package height	315 mm
Discrete graphics card *	✓	Package weight	2.9 kg
		<b>Logistics data</b>	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000
		<b>Other features</b>	
		Warranty period	2 year(s)



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