msi

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 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:

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

Colour name	Core Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Country of origin	China

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	Quad HD+
Native aspect ratio	16:10
Anti-glare screen	✔
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	240 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	155H
Processor cores	16
Processor boost frequency	4.8 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	4.8 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Performance-core base frequency	1.4 GHz
Efficient-core base frequency	0.9 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	28 W
Maximum turbo power	115 W

Graphics

On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics

Audio

Audio system	Nahimic 3
Number of built-in speakers	2
Speakers manufacturer	Nahimic
Speaker power	2 W

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Video capturing speed	30 fps
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Neural processor unit (NPU)

Neural processor unit (NPU)	AMD Ryzen AI
Maximum frequency NPU	1.4 GHz
Sparsity support	✓
Windows Studio effects support	✓
AI datatype support on NPU	FP16, FP32, Int8
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	96 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✓
Optical drive type *	✗

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓

Ports & interfaces

USB Sleep-and-Charge	✓

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB

Software

Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	90 Wh

Power

AC adapter power	240 W

Security

Cable lock slot	✓
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0

Weight & dimensions

Width	359 mm
Depth	266 mm
Height	300 mm
Height (front)	2.18 cm
Height (rear)	2.79 cm
Weight *	2.5 kg

Packaging data

Package width	489 mm
Package depth	93 mm
Package height	315 mm
Package weight	2.9 kg
Package volume	89100 cm³

Logistics data

Commodity Classification Automated Tracking System (CCATS)	8471300000

Other features

Warranty period	2 year(s)

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