msi

MSI Pulse 16 AI C1VGKG-074FR Intel Core Ultra 9 185H Laptop 40,6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : MSI

Product name : Pulse 16 AI
C1VGKG-074FR

Product family: Pulse

Article code: PULSE 16 AI
C1VGKG-074FR

MSI Pulse 16 AI C1VGKG-074FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 40,6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 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 color: Black

Design

Color name	Core Black
Product type *	Laptop
Product color *	Black
Form factor *	Clamshell

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	✔
Display brightness	500 cd/m²
RGB color space	DCI-P3
Color gamut	100%
Maximum refresh rate	240 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 9
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	185H
Processor cores	16
Processor threads	22
Processor boost frequency	5,1 GHz
Performance cores	6
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	5,1 GHz

Graphics

Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
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 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
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Processor

Efficient-core Max Turbo Frequency	3,8 GHz
Low Power Efficient-core Max Turbo Frequency	2,5 GHz
Performance-core base frequency	2,3 GHz
Efficient-core base frequency	1,8 GHz
Low Power Efficient-core Base Frequency	1000 MHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Maximum frequency NPU	1,4 GHz
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 16 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

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) 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	✔

Performance

Repairability index	8.1

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit color	RGB

Software

Operating system installed *	Windows 11 Home
Bundled software	Nvidia GeForce Experience, Nahimic 3, MSI App Player, Mystic Light, Game Highlights, MSI Companion, Crosshair, Battery Master, MSI Center, Discrete Graphics Mode, MSI AI Engine, Nvidia Broadcast, Microsoft Effect Pack (MEP)

Battery

Number of battery cells	4
Battery capacity	5815 mAh
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	266,4 mm
Height (front)	2,18 cm
Height (rear)	2,79 cm
Weight *	2,5 kg

Other features

Warranty period	2 year(s)

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