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# MSI Pulse 17 AI C1VGKG-008FR Intel Core Ultra 7 155H Laptop 43,2 cm (17") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Pro Black

**Brand :** MSI

**Product family:** Pulse

**Article code:** PULSE 17 AI C1VGKG-008FR

**Product name :** Pulse 17 AI C1VGKG-008FR

MSI Pulse 17 AI C1VGKG-008FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 43,2 cm (17"), 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 Pro. Product color: Black

## Design

| | |
|---|---|
| Colour name | Core Black |
| Product type * | Laptop |
| Product colour * | Black |
| Form factor * | Clamshell |

## Display

| | |
|---|---|
| Display diagonal * | 43.2 cm (17") |
| Display resolution * | 2560 x 1600 pixels |
| Touchscreen * | ✘ |
| HD type | Quad HD+ |
| 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 |

## Graphics

| | |
|---|---|
| Discrete graphics card memory | 8 GB |
| 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

| | |
|---|---|
| Number of built-in speakers | 2 |
| 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 |
| Ethernet LAN | ✔ |
| Bluetooth | ✔ |
| Bluetooth version | 5.3 |

**Processor**

| | |
|---|---|
| Processor cache type | Smart Cache |
| Processor base power | 28 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 datatype support on NPU | FP16, FP32, Int8 |
| 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 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 |

**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 | ✔ |

**Performance**

| | |
|---|---|
| Repairability index | 8 |

**Keyboard**

| | |
|---|---|
| Pointing device | Touchpad |
| Numeric keypad * | ✔ |
| Keyboard backlit | ✔ |
| Keyboard backlit colour | RGB |

**Software**

| | |
|---|---|
| Operating system installed * | Windows 11 Pro |

**Battery**

| | |
|---|---|
| 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 | 383.2 mm |
| Depth | 279.9 mm |
| Height (front) | 2.22 cm |
| Height (rear) | 2.97 cm |
| Weight * | 2.8 kg |

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