



MSI Stealth 18 AI STUDIO A1VGG-001UK Intel Core Ultra 9 185H Laptop 45.7 cm (18") UHD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Pro Black

Brand : MSI

Product family: Stealth

Product code: STEALTH 18 AI STUDIO A1VGG-001UK



Product name : Stealth 18 AI STUDIO A1VGG-001UK

- Windows 11 Pro
 - Intel Core Ultra 9 185H (24MB Cache)
 - 45.7 cm (18") UHD+ 3840 x 2400 Mini LED
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
- Intel Core Ultra 9 185H (24MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 45.7 cm (18") UHD+ 3840 x 2400 Mini LED, Intel Arc Graphics, LAN, WLAN, Webcam, Windows 11 Pro
- MSI Stealth 18 AI STUDIO A1VGG-001UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 45.7 cm (18"), HD type: UHD+, Display resolution: 3840 x 2400 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 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 colour: Black

| Design | | Graphics | |
|--|-------------------------------|---|-----------------------|
| Colour name | Midnight Black | Discrete graphics card * | ✓ |
| Product type * | Laptop | On-board graphics card family | Intel Arc Graphics |
| Product colour * | Black | On-board graphics card model * | Intel Arc Graphics |
| Form factor * | Clamshell | Audio | |
| Display | | Audio system | Nahimic 3 |
| Display diagonal * | 45.7 cm (18") | Number of built-in speakers | 2 |
| Display resolution * | 3840 x 2400 pixels | Speakers manufacturer | Nahimic |
| Touchscreen * | ✗ | Speaker power | 2 W |
| HD type | UHD+ | Built-in microphone | ✓ |
| Panel type | Mini LED | Camera | |
| Native aspect ratio | 16:10 | Front camera | ✓ |
| RGB colour space | DCI-P3 | Front camera resolution | 1920 x 1080 pixels |
| Colour gamut | 100% | Front camera HD type | Full HD |
| Maximum refresh rate | 120 Hz | Video capturing speed | 30 fps |
| Processor | | Privacy camera | ✓ |
| Processor manufacturer * | Intel | Privacy type | Privacy shutter |
| Processor family * | Intel Core Ultra 9 | Network | |
| Processor generation | Intel® Core™ Ultra (Series 1) | Top Wi-Fi standard * | Wi-Fi 7 (802.11be) |
| Processor model * | 185H | Wi-Fi standards | Wi-Fi 7 (802.11be) |
| Processor cores | 16 | Mobile network connection * | ✗ |
| Processor threads | 22 | WLAN controller model | Killer Wi-Fi 7 BE1750 |
| Processor boost frequency | 5.1 GHz | Ethernet LAN | ✓ |
| Performance cores | 6 | Ethernet LAN data rates | 2500 Mbit/s |
| Efficient cores | 8 | Bluetooth | ✓ |
| Low Power Efficient-cores | 2 | Bluetooth version | 5.4 |
| Performance-core Max Turbo Frequency | 5.1 GHz | Ports & interfaces | |
| Efficient-core Max Turbo Frequency | 3.8 GHz | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2 |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 |
| Performance-core base frequency | 2.3 GHz | Ethernet LAN (RJ-45) ports | 1 |
| Efficient-core base frequency | 1.8 GHz | HDMI ports quantity * | 1 |
| Low Power Efficient-core Base Frequency | 1000 MHz | HDMI version | 2.1 |
| Processor cache | 24 MB | Thunderbolt 4 ports quantity | 1 |

| | | | |
|---|---|--|----------------|
| Processor | | Ports & interfaces | |
| Processor cache type | Smart Cache | Intel® Thunderbolt 4 | ✓ |
| Processor base power | 45 W | Combo headphone/mic port | ✓ |
| Maximum turbo power | 115 W | Charging port type | DC-in jack |
| Neural processor unit (NPU) | | USB Type-C DisplayPort Alternate Mode | ✓ |
| Neural processor unit (NPU) | Intel AI Boost | Keyboard | |
| Maximum frequency NPU | 1.4 GHz | Pointing device | Touchpad |
| Sparsity support | ✓ | Numeric keypad * | ✓ |
| Windows Studio effects support | ✓ | Keyboard backlit | ✓ |
| AI datatype support on NPU | FP16, FP32, Int8 | Keyboard backlit colour | RGB |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Keyboard backlit zone | Per-key RGB |
| Memory | | Software | |
| Internal memory * | 32 GB | Operating system installed * | Windows 11 Pro |
| Internal memory type | DDR5-SDRAM | Battery | |
| Memory clock speed | 5600 MHz | Number of battery cells | 4 |
| Memory layout (slots x size) | 2 x 16 GB | Battery capacity * | 99.9 Wh |
| Memory slots | 2x SO-DIMM | Battery life (max) | 5 h |
| Maximum internal memory * | 96 GB | Power | |
| Storage | | AC adapter power | 280 W |
| Total storage capacity * | 2 TB | Security | |
| Storage media * | SSD | Cable lock slot | ✓ |
| Total SSDs capacity | 2 TB | Cable lock slot type | Kensington |
| Number of SSDs installed | 1 | Fingerprint reader | ✓ |
| SSD capacity | 2 TB | Trusted Platform Module (TPM) | ✓ |
| SSD interface | PCI Express 4.0 | Trusted Platform Module (TPM) version | 2.0 |
| NVMe | ✓ | Weight & dimensions | |
| Optical drive type * | ✗ | Width | 400 mm |
| Card reader integrated | ✓ | Depth | 289.7 mm |
| Compatible memory cards | SD | Height (front) | 1.99 cm |
| Graphics | | Height (rear) | 2.4 cm |
| Discrete GPU manufacturer | NVIDIA | Weight * | 2.89 kg |
| Discrete graphics card model * | NVIDIA GeForce RTX 4070 | Packaging data | |
| Discrete graphics card memory | 8 GB | Package width | 483 mm |
| Discrete graphics memory type | GDDR6 | Package depth | 114 mm |
| On-board graphics card * | ✓ | Package height | 400 mm |
| On-board GPU manufacturer | Intel | Package weight | 3.9 kg |
| | | Logistics data | |
| | | Commodity Classification Automated Tracking System (CCATS) | 8471300000 |
| | | Other features | |
| | | Warranty period | 2 year(s) |



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Publication date: 25-OCT-2024. Prints or copies of Information are only valid on the printed Publication date