

## Alienware AA18250 Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Home German Black

**Brand :** Alienware

**Product code:** G5G46

**Product name :** AA18250

Alienware AA18250. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 45.7 cm (18"), HD type: WQXGA, 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® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5070. Operating system installed: Windows 11 Home. Product colour: Black



| Design                               |                             | Audio                                             |                                                                                                           |
|--------------------------------------|-----------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Colour name                          | Gamut                       | Number of built-in speakers                       | 4                                                                                                         |
| Product type *                       | Laptop                      | Speaker power                                     | 2.5 W                                                                                                     |
| Product colour *                     | Black                       | Built-in microphone                               | ✓                                                                                                         |
| Form factor *                        | Clamshell                   | Number of microphones                             | 2                                                                                                         |
| Market positioning                   | Gaming                      | Camera                                            |                                                                                                           |
| Display                              |                             | Front camera                                      | ✓                                                                                                         |
| Display diagonal *                   | 45.7 cm (18")               | Front camera resolution (numeric)                 | 2.07 MP                                                                                                   |
| Display resolution *                 | 2560 x 1600 pixels          | Front camera resolution                           | 1920 x 1080 pixels                                                                                        |
| Touchscreen *                        | ✗                           | Front camera HD type                              | Full HD                                                                                                   |
| HD type                              | WQXGA                       | Video capturing speed                             | 30 fps                                                                                                    |
| Panel type                           | WVA                         | Infrared (IR) camera                              | ✓                                                                                                         |
| Display technology marketing name    | ComfortView Plus            | Network                                           |                                                                                                           |
| Anti-glare screen                    | ✓                           | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)                                                                                        |
| Display brightness                   | 500 cd/m²                   | Wi-Fi standards                                   | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be) |
| Pixel density                        | 168 ppi                     | Mobile network connection *                       | ✗                                                                                                         |
| RGB colour space                     | DCI-P3                      | Wi-Fi band                                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                                        |
| Colour gamut                         | 100%                        | Wi-Fi data rate (max)                             | 2400 Mbit/s                                                                                               |
| Maximum refresh rate                 | 300 Hz                      | Antenna type                                      | 2x2                                                                                                       |
| Contrast ratio (typical)             | 1200:1                      | WLAN controller model                             | Killer Wi-Fi 7 BE1750                                                                                     |
| Processor                            |                             | WLAN controller manufacturer                      | Killer                                                                                                    |
| Processor manufacturer *             | Intel                       | Ethernet LAN                                      | ✓                                                                                                         |
| Processor family *                   | Intel Core Ultra 9          | Ethernet LAN data rates                           | 5000 Mbit/s                                                                                               |
| Processor generation                 | Intel Core Ultra (Series 2) | Bluetooth                                         | ✓                                                                                                         |
| Processor model *                    | 275HX                       | MIMO                                              | ✓                                                                                                         |
| Processor cores                      | 24                          | MIMO type                                         | Multi User MIMO                                                                                           |
| Processor threads                    | 24                          | Ports & interfaces                                |                                                                                                           |
| Processor boost frequency            | 5.4 GHz                     | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3                                                                                                         |
| Performance cores                    | 8                           |                                                   |                                                                                                           |
| Efficient cores                      | 16                          |                                                   |                                                                                                           |
| Performance-core Max Turbo Frequency | 5.4 GHz                     |                                                   |                                                                                                           |

| Processor                               |                                                | Ports & interfaces                          |                                                |
|-----------------------------------------|------------------------------------------------|---------------------------------------------|------------------------------------------------|
| Efficient-core Max Turbo Frequency      | 4.6 GHz                                        | Ethernet LAN (RJ-45) ports                  | 1                                              |
| Performance-core base frequency         | 2.7 GHz                                        | HDMI ports quantity *                       | 1                                              |
| Efficient-core base frequency           | 2.1 GHz                                        | HDMI version                                | 2.1                                            |
| Processor cache                         | 36 MB                                          | Thunderbolt 4 ports quantity                | 2                                              |
| Processor base power                    | 55 W                                           | Intel® Thunderbolt 4                        | ✓                                              |
| Maximum turbo power                     | 160 W                                          | Combo headphone/mic port                    | ✓                                              |
| Neural processor unit (NPU)             |                                                | Power adapter barrel connector              | 7.4 mm                                         |
| Neural processor unit (NPU)             | Intel AI Boost                                 | USB Type-C DisplayPort Alternate Mode       | ✓                                              |
| Sparsity support                        | ✓                                              | PowerShare                                  | ✓                                              |
| Windows Studio effects support          | ✓                                              | Number of USB ports with PowerShare support | 1                                              |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Performance                                 |                                                |
| Total processor performance up to       | 36 TOPs                                        | Motherboard chipset                         | Intel HM870                                    |
| NPU performance up to                   | 13 TOPs                                        | Keyboard                                    |                                                |
| GPU performance up to                   | 8 TOPs                                         | Pointing device                             | Touchpad                                       |
| Memory                                  |                                                | Numeric keypad *                            | ✓                                              |
| Internal memory *                       | 32 GB                                          | Keyboard backlit                            | ✓                                              |
| Internal memory type                    | DDR5-SDRAM                                     | Keyboard backlit colour                     | RGB                                            |
| Memory form factor                      | SO-DIMM                                        | Keyboard backlit zone                       | Per-key RGB                                    |
| Memory layout (slots x size)            | 2 x 16 GB                                      | Keyboard language                           | German                                         |
| Memory slots                            | 2x SO-DIMM                                     | Software                                    |                                                |
| Maximum internal memory *               | 64 GB                                          | Operating system architecture               | 64-bit                                         |
| Memory data transfer rate               | 6400 MT/s                                      | Trial software                              | Activate Your Microsoft 365 For A 30 Day Trial |
| Non-ECC                                 | ✓                                              | Operating system installed *                | Windows 11 Home                                |
| Storage                                 |                                                | Battery                                     |                                                |
| Total storage capacity *                | 1 TB                                           | Battery technology                          | Lithium-Ion (Li-Ion)                           |
| Storage media *                         | SSD                                            | Number of battery cells                     | 6                                              |
| Total SSDs capacity                     | 1 TB                                           | Battery capacity *                          | 96 Wh                                          |
| Number of SSDs installed                | 1                                              | Battery voltage                             | 11.7 V                                         |
| SSD capacity                            | 1 TB                                           | Battery recharge time                       | 3 h                                            |
| SSD interface                           | PCI Express 4.0                                | Fast charging                               | ✓                                              |
| NVMe                                    | ✓                                              | Battery weight                              | 351 g                                          |
| SSD form factor                         | M.2                                            | Power                                       |                                                |
| Optical drive type *                    | ✗                                              | AC adapter power                            | 280 W                                          |
| Card reader integrated                  | ✓                                              | AC adapter frequency                        | 50 - 60 Hz                                     |
| Compatible memory cards                 | SD, SDHC, SDXC                                 | AC adapter input voltage                    | 100 - 240 V                                    |
| Graphics                                |                                                | AC adapter output voltage                   | 19.5 V                                         |
| Discrete GPU manufacturer               | NVIDIA                                         | USB Type-C charging port *                  | ✓                                              |
| Discrete graphics card model *          | NVIDIA GeForce RTX 5070                        | USB Power Delivery (USB PD)                 | ✓                                              |
| Discrete graphics card memory           | 8 GB                                           | Operational conditions                      |                                                |
| Discrete graphics memory type           | GDDR7                                          | Operating temperature (T-T)                 | 0 - 35 °C                                      |
| On-board graphics card *                | ✓                                              | Storage temperature (T-T)                   | -40 - 65 °C                                    |
| On-board GPU manufacturer               | Intel                                          | Operating relative humidity (H-H)           | 10 - 90%                                       |
| Discrete graphics card *                | ✓                                              | Storage relative humidity (H-H)             | 0 - 95%                                        |
| On-board graphics card family           | Intel® Graphics                                | Operating altitude                          | -15.2 - 3048 m                                 |
| On-board graphics card model *          | Intel® Graphics                                | Non-operating altitude                      | -15.2 - 10668 m                                |
| NVIDIA G-SYNC                           | ✓                                              | Operating shock                             | 110 G                                          |
| NVIDIA Advanced Optimus                 | ✓                                              | Non-operating shock                         | 160 G                                          |
| Audio                                   |                                                | Operating vibration                         | 0.66 G                                         |
| Audio chip                              | Realtek ALC3329                                | Non-operating vibration                     | 1.3 G                                          |
| Audio system                            | Dolby Atmos                                    | Weight & dimensions                         |                                                |
|                                         |                                                | Width                                       | 410 mm                                         |
|                                         |                                                | Depth                                       | 320 mm                                         |
|                                         |                                                | Height (front)                              | 2.47 cm                                        |
|                                         |                                                | Height (rear)                               | 3.05 cm                                        |

| Weight & dimensions   |         |
|-----------------------|---------|
| Weight *              | 4.34 kg |
| Packaging content     |         |
| AC adapter included * | ✓       |



5397184979037

### Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.