

Samsung Galaxy Book5 Pro Copilot+ PC Intel Core Ultra 7 256V Laptop 35.6 cm (14") Touchscreen WQXGA+ 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : Samsung      Product family: Galaxy Book5 Pro      Product code: NP944XHA-KG1CA

Product name : Galaxy Book5 Pro

- Windows 11 Pro
- Intel Core Ultra 7 256V (12MB Cache)
- 35.6 cm (14") WQXGA+ 2880 x 1800 AMOLED Touch
- 16GB LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 7 256V (12MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 35.6 cm (14") WQXGA+ 2880 x 1800 AMOLED Touch, Intel Arc Graphics 140V, Webcam, Windows 11 Pro  
Samsung Galaxy Book5 Pro . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 256V. Display diagonal: 35.6 cm (14"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Pro. Product colour: Grey



| Design                                       |                              | Graphics  |                         |
|--|------------------------------|---|-------------------------|
| Product type *                               | Laptop                       | On-board graphics card *                        | ✓                       |
| Product colour *                             | Grey                         | On-board GPU manufacturer                       | Intel                   |
| Form factor *                                | Clamshell                    | Discrete graphics card *                        | ✗                       |
| Display                                      |                              | On-board graphics card family                   | Intel Arc Graphics      |
| Display diagonal *                           | 35.6 cm (14")                | On-board graphics card model *                  | Intel Arc Graphics 140V |
| Display resolution *                         | 2880 x 1800 pixels           | On-board graphics card memory                   | 8 GB                    |
| Touchscreen *                                | ✓                            | Audio   |                         |
| HD type                                      | WQXGA+                       | Audio system                                    | Dolby Atmos             |
| Panel type                                   | AMOLED                       | Number of built-in speakers                     | 4                       |
| Display technology marketing name            | Dynamic AMOLED 2X            | Built-in microphone                             | ✓                       |
| Native aspect ratio                          | 16:10                        | Number of microphones                           | 2                       |
| Anti-reflective coating                      | ✓                            | Camera  |                         |
| Display brightness                           | 400 cd/m²                    | Front camera                                    | ✓                       |
| Maximum display brightness (HDR)             | 500 cd/m²                    | Front camera resolution (numeric)               | 2 MP                    |
| RGB colour space                             | DCI-P3                       | Front camera resolution                         | 1920 x 1080 pixels      |
| Maximum refresh rate                         | 120 Hz                       | Front camera HD type                            | Full HD                 |
| High Dynamic Range (HDR) supported           | ✓                            | Network   |                         |
| High Dynamic Range (HDR) technology          | High Dynamic Range (HDR) 500 | Top Wi-Fi standard *                            | Wi-Fi 7 (802.11be)      |
| Processor                                    |                              | Mobile network connection *                     | ✗                       |
| Processor manufacturer *                     | Intel                        | Antenna type                                    | 2x2                     |
| Processor family *                           | Intel Core Ultra 7           | Bluetooth                                       | ✓                       |
| Processor generation                         | Intel Core Ultra (Series 2)  | Bluetooth version                               | 5.4                     |
| Processor model *                            | 256V                         | Ports & interfaces                              |                         |
| Processor cores                              | 8                            | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1                       |
| Processor threads                            | 8                            | HDMI ports quantity *                           | 1                       |
| Processor boost frequency                    | 4.8 GHz                      | HDMI version                                    | 2.1                     |
| Performance cores                            | 4                            | Thunderbolt 4 ports quantity                    | 2                       |
| Low Power Efficient-cores                    | 4                            | Intel® Thunderbolt 4                            | ✓                       |
| Performance-core Max Turbo Frequency         | 4.8 GHz                      | Combo headphone/mic port                        | ✓                       |
| Low Power Efficient-core Max Turbo Frequency | 3.7 GHz                      |   |                         |

| Processor                               |  | Performance                       |  |
|---|--|-----------------------------------|--|
| Performance-core base frequency         | 2.2 GHz  | Ambient light sensor              | ✓  |
| Low Power Efficient-core Base Frequency | 2200 MHz                                       | Repairability index               | 8.7  |
| Processor cache                         | 12 MB  | Keyboard                          |  |
| Processor cache type                    | Smart Cache                                    | Pointing device                   | Clickpad   |
| Processor base power                    | 17 W   | Numeric keypad *                  | ✗  |
| Maximum turbo power                     | 37 W   | Keyboard backlit                  | ✓  |
| Neural processor unit (NPU)             |  | Software                          |  |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Copilot+ PC                       | ✓  |
| Sparsity support                        | ✓  | Pre-installed software            | Galaxy Book Experience, Multi Control, Second Screen, Samsung Notes, Samsung Gallery, Quick Share, Samsung Account, Samsung Settings, AI Select, SmartThings, Quick Search, Samsung Device Care, Screen Recorder, Live Wallpaper, Bixby, Samsung Find, Samsung Flow, Samsung Studio, Phone, Galaxy Book Smart Switch, Samsung Pass |
| Windows Studio effects support          | ✓  |                                   |  |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN |                                   |  |
| Total processor performance up to       | 115 TOPs                                       |                                   |  |
| NPU performance up to                   | 47 TOPs  |                                   |  |
| GPU performance up to                   | 64 TOPs  |                                   |  |
| Memory                                  |  | Operating system installed *      | Windows 11 Pro   |
| Internal memory *                       | 16 GB  |                                   |  |
| Internal memory type                    | LPDDR5x-SDRAM                                  | Battery                           |  |
| Memory form factor                      | On-board                                       | Battery capacity *                | 63.1 Wh  |
| Storage                                 |  | Battery life (max)                | 21 h   |
| Total storage capacity *                | 1 TB   | Power                             |  |
| Storage media *                         | SSD  | AC adapter power                  | 65 W   |
| Total SSDs capacity                     | 1 TB   | AC adapter frequency              | 50 - 60 Hz   |
| Number of SSDs installed                | 1  | AC adapter input voltage          | 100 - 240 V  |
| SSD capacity                            | 1 TB   | USB Type-C charging port *        | ✓  |
| NVMe                                    | ✓  | Security                          |  |
| Optical drive type *                    | ✗  | Fingerprint reader                | ✓  |
| Card reader integrated                  | ✓  | Trusted Platform Module (TPM)     | ✓  |
| Compatible memory cards                 | MicroSD (TransFlash), MicroSDHC, MicroSDXC     | Operational conditions            |  |
| Graphics                                |  | Operating temperature (T-T)       | 10 - 35 °C   |
| Discrete graphics card model *          | Not available                                  | Storage temperature (T-T)         | -5 - 40 °C   |
|   |  | Operating relative humidity (H-H) | 20 - 80%   |
|   |  | Storage relative humidity (H-H)   | 5 - 90%  |
|   |  | Weight & dimensions               |  |
|   |  | Width                             | 312.3 mm   |
|   |  | Depth                             | 223.8 mm   |
|   |  | Height                            | 11.6 mm  |
|   |  | Weight *                          | 1.23 kg  |
|   |  | Packaging content                 |  |
|   |  | AC adapter included *             | ✓  |
|   |  | Cables included                   | USB Type-C   |



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### Catalog Object Cloud



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