SAMSUNG

Samsung Galaxy Book5 Pro Intel Core Ultra 7 256V Computer portatile 35,6 cm (14") Touch screen WQXGA+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Grigio

Marchio : Samsung

Nome del prodotto : Galaxy Book5 Pro

Codice prodotto: NP940XHA-KG2IT

- Processore Intel Core Ultra (Serie 2)
- Display touch 3K Dynamic AMOLED 2X
- Galaxy AI e Copilot+ PC
NP940XHA-KG2IT
Samsung Galaxy Book5 Pro. Tipo di prodotto: Computer portatile, Fattore di forma: Clamshell. Famiglia processore: Intel Core Ultra 7, Modello del processore: 256V. Dimensioni diagonale schermo: 35,6 cm (14"), Tipologia HD: WQXGA+, Risoluzione del display: 2880 x 1800 Pixel, Touch screen. RAM installata: 16 GB, Tipo di RAM: LPDDR5x-SDRAM. Capacità totale di archiviazione: 512 GB, Supporto di memoria: SSD. Modello scheda grafica integrata: Intel Arc Graphics 140V. Sistema operativo incluso: Windows 11 Home. Colore del prodotto: Grigio.

Design super leggero e super sottile

Tastiera retroilluminata   Corpo in alluminio

Design

Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Stylus pen support	✗

Display

Display diagonal *	35.6 cm (14")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✔
HD type	WQXGA+
Panel type	AMOLED
Native aspect ratio	16:10
Display brightness	400 cd/m²
Maximum display brightness (HDR)	500 cd/m²
Maximum refresh rate	120 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel Core Ultra (Series 2)
Processor model *	256V
Processor cores	8
Processor threads	8
Processor boost frequency	4.8 GHz
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.8 GHz
Low Power Efficient-core Max Turbo Frequency	3.7 GHz

Graphics

On-board graphics card DirectX version	12.2
On-board graphics card OpenGL version	4.6
On-board graphics card 8K support	✔

Audio

Number of built-in speakers	4
Built-in subwoofer	✔
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Antenna type	2x2
Ethernet LAN	✔
Bluetooth	✔
Bluetooth version	5.4

Ports & interfaces

HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Headphone outputs	1

Processor

Performance-core base frequency	2.2 GHz
Low Power Efficient-core Base Frequency	2.2 MHz
Processor cache	12 MB
Processor cache type	Smart Cache
Tjunction	100 °C
Processor base power	17 W
Maximum turbo power	37 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML
NPU performance up to	47 TOPs

Memory

Internal memory *	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	8533 MHz
Maximum internal memory *	16 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC

Graphics

On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics 140V

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔

Software

Operating system installed *	Windows 11 Home

Processor special features

Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Execute Disable Bit	✔
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel® Smart Sound Technology	✔
Intel Virtualization Technology (VT-x)	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity	4023 mAh
Battery capacity *	62.2 Wh
Battery voltage	15.44 V
Battery life (max)	21 h
Battery recharge time	1.5 h

Power

AC adapter power	65 W

Security

Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Weight & dimensions

Width	312.3 mm
Depth	223.8 mm
Height	11.6 mm
Weight *	1.23 kg

Packaging data

Package width	396.3 mm
Package depth	234.9 mm
Package height	43.1 mm

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