Lenovo

Lenovo neo 50a Intel® Core™ i7 i7-13700H 60,5 cm (23.8") 1920 x 1080 Pixel Touch screen PC All-in-one 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Wi-Fi 6 (802.11ax) Nero

Marchio : Lenovo   **Codice prodotto:** 12K9003SIX

Nome del prodotto : neo 50a

- Intel Core i7-13700H, 14C (6P + 8E)/20T, P-core 2.4/5.0GHz, E-core 1.8/3.7GHz, 24MB
- 23.8" FHD (1920x1080) IPS 250nits 72% NTSC Touch
- 1x 16GB SO-DIMM DDR5-5200
- 512GB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0
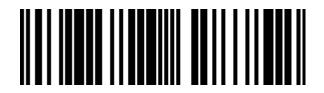- Intel Iris Xe Graphics Functions as UHD Graphics
- Windows 11 Pro
Intel Core i7-13700H, 14C (6P + 8E)/20T, P-core 2.4/5.0GHz, E-core 1.8/3.7GHz, 24MB, 1x 16GB SO-DIMM DDR5-5200, 512GB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0, 23.8" FHD (1920x1080) IPS 250nits 72% NTSC Touch, Intel Iris Xe Graphics Functions as UHD Graphics, Intel Wi-Fi 6 AX201 802.11ax 2x2 + BT5.2, 5.0MP + IR, Windows 11 Pro

Display

Display diagonal *	60.5 cm (23.8")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✔
HD type *	Full HD
Native aspect ratio	16:9
Display brightness	250 cd/m²
Panel type	IPS
RGB colour space	NTSC
Anti-glare screen	✔
Colour gamut	72%
Tilt adjustment	✔
Tilt angle range	-5 - 18°

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700H
Processor cores	14
Processor boost frequency	5 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

Network

WLAN controller model	Intel Wi-Fi 6 AX201
Antenna type	2x2
Ethernet LAN *	✔
Ethernet LAN data rates	1000,100 Mbit/s
Bluetooth *	✔
Bluetooth version	5.1

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
USB 2.0 Type-C ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
HDMI ports quantity *	2
Combo headphone/mic port	✔

Design

Colour name	Raven black
Product colour *	Black
Cable lock slot	✔
Cable lock slot type	Kensington
VESA mounting	✔
Panel mounting interface	100 x 100 mm

Performance

Product type *	All-in-One PC
Motherboard chipset	Intel SoC

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Maximum internal memory *	16 GB
Memory slots	2
Memory slots type	SO-DIMM
Memory clock speed	5200 MHz
Memory layout (slots x size)	1 x 16 GB
Memory form factor	DIMM/SO-DIMM

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Number of storage drives installed	1
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	DVD±RW
Card reader integrated	✘

Graphics

Discrete graphics card *	✘
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Built-in speaker(s) *	✔
Number of speakers	2
RMS rated power	6 W
Speakers manufacturer	Harman Kardon
Built-in microphone	✔
Audio system	HD

Camera

Built-in camera *	✔
Total megapixels	5 MP

Network

Wi-Fi *	✔
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
WLAN controller manufacturer	Intel

Performance

Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
BIOS password	✔
HDD user password	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Pro
Operating system language	Dutch, English, Italian, French, German

Power

AC adapter power	180 W
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V

Weight & dimensions

Width (with stand)	541 mm
Depth (with stand)	220 mm
Height (with stand)	482 mm
Weight (with stand)	7.64 kg
Package width	658 mm
Package depth	264 mm
Package height	570 mm
Package weight	11.8 kg

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	10 - 90%
Operating altitude	0 - 3048 m
Non-operating altitude	0 - 12192 m

Certificates

Certification	TÜV Rheinland® Flicker Free TÜV Rheinland Low Blue Light TÜV Rheinland Ultra Low Noise

Sustainability

Sustainability certificates	ENERGY STAR, EPEAT Silver

Packaging content

Mouse included	✔
Mouse connectivity	Wireless
Keyboard included	✔
Keyboard connectivity	Wireless
Keyboard language	Italian

Technical details

Box contents	USB-C to USB-A dongle

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