DELL XPS 17 9720 Intel® Core™ i7 i7-12700H Laptop 43,2 cm (17") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6 (802.11ax) Windows 11 Home English Black, Platinum, Silver

Brand : DELL

Product family: XPS

Product code:
NXPS179720_D_S2E

Product name : 9720

- Windows 11 Home 64-bit
- Intel Core i7-12700H (24MB Cache)
- 43.2 cm (17") Full HD+ 1920 x 1200 WVA, NVIDIA GeForce RTX 3050 (4GB GDDR6)
- 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 512GB SSD
Intel Core i7-12700H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 43.2 cm (17") Full HD+ 1920 x 1200 WVA, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3050 (4GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

DELL XPS 17 9720 Intel® Core™ i7 i7-12700H Laptop 43,2 cm (17") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6 (802.11ax) Windows 11 Home English Black, Platinum, Silver:

Colossal power and performance
Fuel even the most intensive creative projects with up to 12th Gen Intel® Core™ processors, NVIDIA® GeForce RTX™ graphics and DDR5 memory. Our most powerful XPS laptop to date. Dell Performance helps unlock access to four modes—quiet, performance, cool and optimized. Each mode tailors fan speeds and battery life, with performance mode unlocking the full power of your PC.

Design

Product type *	Laptop
Product colour *	Black, Platinum, Silver
Form factor *	Clamshell
Housing material	Aluminium

Display

Display diagonal *	43,2 cm (17")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	Full HD+
Panel type	WVA
LED backlight	✔
Native aspect ratio	16:10
Display brightness	500 cd/m²
Pixel pitch	0,1908 x 0,1908 mm
Pixel density	133 ppi
RGB colour space	sRGB
Colour gamut	100%
Display response rise/fall	35 ms
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1650:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-12700H
Processor cores	14
Processor boost frequency	4,7 GHz
Processor cache	24 MB
Configurable TDP-down	35 W

Memory

Internal memory *	16 GB

Network

Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Wi-Fi data rate (max)	2400 Mbit/s
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces

Thunderbolt 4 ports quantity	4
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✔
Keyboard language	English

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Execute Disable Bit	✔

Memory

Internal memory type	DDR5-SDRAM
Memory clock speed	4800 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
Solid-state drive capacity	512 GB
Solid-state drive interface	PCI Express
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3050
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio chip	Realtek ALC711-CG
Number of built-in speakers	4
Speaker power	5 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	0,9 MP
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Video capturing speed	30 fps
Infrared (IR) camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)

Processor special features

CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Battery

Number of battery cells	6
Battery capacity *	97 Wh
Battery voltage	11,4 V
Battery recharge time	4 h
Fast charging	✔
Battery weight	385 g

Power

AC adapter power	130 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Power Delivery	✔
USB charging voltage	5,20 V
USB charging current	6.5 A

Security

Cable lock slot	✔
Fingerprint reader	✔
Password protection	✔

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15,2 - 3048 m
Non-operating altitude	-15,2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0,66 G
Non-operating vibration	1,3 G

Weight & dimensions

Width	374,5 mm
Depth	248,1 mm
Height (front)	8,67 mm
Height (rear)	1,31 cm
Weight *	2,57 kg

Packaging content

Cables included	AC

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