DELL

DELL OptiPlex 7020 Intel® Core™ i5 i5-14500 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro SFF PC Black

Brand : DELL   **Product family:** OptiPlex   **Product code:** DW6H7

Product name : 7020

- Windows 11 Pro 64-bit
- Intel Core i5-14500 (24Mo Cache)
- 16Go DDR5-SDRAM (1 x 16) & 512Go SSD
Intel Core i5-14500 (24Mo Cache), 16Go DDR5-SDRAM, 512Go SSD, Intel UHD Graphics 770, LAN, WLAN, Bluetooth, Windows 11 Pro 64-bit

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Commercial desktop with DDR5 memory, 8 native USBs including 1 USB-C, 1 native DisplayPort, and 1 native HDMI.
DELL OptiPlex 7020. Processor family: Intel® Core™ i5, Processor model: i5-14500. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770. Wi-Fi. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: SFF. Product type: PC. Product colour: Black

Processor		Ports & interfaces	
Processor manufacturer *	Intel	Number of rear USB ports	4
Processor family *	Intel® Core™ i5	Number of front USB ports	4
Processor generation	Intel® Core™ i5 (14th gen)	Number of front audio ports	1
Processor model *	i5-14500	Number of SATA III connectors	2
Processor cores	14	**Expansion slots**	
Processor threads	20	PCI Express x1 (Gen 3.x) slots	1
Processor boost frequency	5 GHz	PCI Express x16 (Gen 3.x) slots	1
Performance cores	6	**Design**	
Efficient cores	8	Chassis type *	SFF
Performance-core Max Turbo Frequency	5 GHz	Placement supported	Vertical
Efficient-core Max Turbo Frequency	3.7 GHz	Water cooling system	✘
Performance-core base frequency	2.6 GHz	Cable lock slot	✔
Efficient-core base frequency	1.9 GHz	Cable lock slot type	Kensington
Processor cache	24 MB	Product colour *	Black
Processor cache type	Smart Cache	Intel® vPro™ Platform Eligibility	✔
Number of processors installed	1	**Performance**	
Number of processors supported	1	Market positioning	Business
Processor base power	65 W	Motherboard chipset	Intel Q670
Maximum turbo power	154 W	Audio chip	Realtek ALC3204-CG
Memory		Audio system	High Definition Audio
Internal memory *	16 GB	Built-in speaker(s)	✘
Maximum internal memory *	64 GB	Trusted Platform Module (TPM)	✔
Internal memory type	DDR5-SDRAM	Trusted Platform Module (TPM) version	2.0
Memory layout (slots x size)	1 x 16 GB	Product type *	PC
Memory slots	2x DIMM	**Software**	
Memory channels	Single-channel	Operating system installed *	Windows 11 Pro
Memory data transfer rate	4800 MT/s		

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express
NVMe	✔
SSD form factor	M.2
SSD performance class	35
Compatible memory cards	Not supported
RAID support	✘

Graphics

Discrete graphics card *	✘
On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770
Maximum on-board graphics card resolution	7680 x 4320 pixels

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6E AX210
Antenna type	2x2
Bluetooth	✔

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
HDMI ports quantity *	1
HDMI version	1.4b
DisplayPorts quantity	1
DisplayPort version	1.4a
Combo headphone/mic port	✔

Software

Operating system architecture	64-bit
Operating system language	German, Dutch, English, French, Italian
Trial software	Activate Your Microsoft 365 For A 30 Day Trial

Power

Power supply *	180 W
Power supply input voltage	90 - 264 V
Power supply input frequency	47/63 Hz
80 PLUS certification	80 PLUS Bronze

Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating vibration	0.26 G
Non-operating vibration	1.37 G
Non-operating shock	105 G

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT Silver

Weight & dimensions

Width *	92.6 mm
Depth *	292.8 mm
Height *	290 mm

Packaging content

Display included *	✘
Mouse included on selected markets	Dell Optical Mouse-MS116 - Black
Keyboard included on selected markets	Dell Multimedia Keyboard-KB216 - UK (QWERTY) - Black

Carbon footprint

Total carbon footprint (kg of CO_2e)	187
Carbon emissions, manufacturing (kg of CO_2e)	80
Carbon emissions, logistics (kg of CO_2e)	11
Carbon emissions, energy usage (kg of CO_2e)	92
Carbon emissions, end-of-life (kg of CO_2e)	4
Total carbon emissions, w/o use phase (kg of CO_2e)	96
PAIA version	GaBi verison1

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