



# 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	<b>Expansion slots</b>	
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	<b>Design</b>	
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	<b>Performance</b>	
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
<b>Memory</b>		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	<b>Software</b>	
Memory channels	Single-channel	Operating system installed *	Windows 11 Pro
Memory data transfer rate	4800 MT/s		

Storage		Software	
Total storage capacity *	512 GB	Operating system architecture	64-bit
Storage media *	SSD	Operating system language	German, Dutch, English, French, Italian
Optical drive type *	✗	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Number of storage drives installed	1	<b>Power</b>	
Total SSDs capacity	512 GB	Power supply *	180 W
Number of SSDs installed	1	Power supply input voltage	90 - 264 V
SSD capacity	512 GB	Power supply input frequency	47/63 Hz
SSD interface	PCI Express	80 PLUS certification	80 PLUS Bronze
NVMe	✓	<b>Operational conditions</b>	
SSD form factor	M.2	Operating temperature (T-T)	10 - 35 °C
SSD performance class	35	Storage temperature (T-T)	-40 - 65 °C
Compatible memory cards	Not supported	Operating relative humidity (H-H)	20 - 80%
RAID support	✗	Storage relative humidity (H-H)	5 - 95%
<b>Graphics</b>		Operating altitude	-15.2 - 3048 m
Discrete graphics card *	✗	Non-operating altitude	-15.2 - 10668 m
On-board graphics card *	✓	Operating vibration	0.26 G
Discrete graphics card model *	Not available	Non-operating vibration	1.37 G
On-board GPU manufacturer	Intel	Non-operating shock	105 G
On-board graphics card family	Intel® UHD Graphics	<b>Sustainability</b>	
On-board graphics card model *	Intel UHD Graphics 770	Sustainability compliance	✓
Maximum on-board graphics card resolution	7680 x 4320 pixels	Sustainability certificates	ENERGY STAR, EPEAT Silver
<b>Network</b>		<b>Weight &amp; dimensions</b>	
Ethernet LAN *	✓	Width *	92.6 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth *	292.8 mm
Cabling technology	10/100/1000Base-T(X)	Height *	290 mm
Wi-Fi *	✓	<b>Packaging content</b>	
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Display included *	✗
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	Mouse included on selected markets	Dell Optical Mouse-MS116 - Black
WLAN controller manufacturer	Intel	Keyboard included on selected markets	Dell Multimedia Keyboard-KB216 - UK (QWERTY) - Black
WLAN controller model	Intel Wi-Fi 6E AX210	<b>Carbon footprint</b>	
Antenna type	2x2	Total carbon footprint (kg of CO2e)	187
Bluetooth	✓	Carbon emissions, manufacturing (kg of CO2e)	80
<b>Ports &amp; interfaces</b>		Carbon emissions, logistics (kg of CO2e)	11
USB 2.0 ports quantity *	4	Carbon emissions, energy usage (kg of CO2e)	92
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Carbon emissions, end-of-life (kg of CO2e)	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Total carbon emissions, w/o use phase (kg of CO2e)	96
HDMI ports quantity *	1	PAIA version	GaBi verison1
HDMI version	1.4b		
DisplayPorts quantity	1		
DisplayPort version	1.4a		
Combo headphone/mic port	✓		



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