



## DELL OptiPlex 7020 Intel® Core™ i5 i5-14500 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro SFF PC Black

Brand : DELL

Product family: OptiPlex

Product code: P94WR

Product name : 7020

DELL OptiPlex 7020. Processor family: Intel® Core™ i5, Processor model: i5-14500. Internal memory: 8 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	DisplayPort version	1.4a
Processor family *	Intel® Core™ i5	Combo headphone/mic port	✓
Processor generation	Intel® Core™ i5 (14th gen)	Number of SATA III connectors	2
Processor model *	i5-14500	<b>Expansion slots</b>	
Processor cores	14	PCI Express x1 (Gen 3.x) slots	1
Processor threads	20	PCI Express x16 (Gen 3.x) slots	1
Processor boost frequency	5 GHz	<b>Design</b>	
Performance cores	6	Chassis type *	SFF
Efficient cores	8	Placement supported	Vertical
Performance-core Max Turbo Frequency	5 GHz	Cable lock slot	✓
Efficient-core Max Turbo Frequency	3.7 GHz	Cable lock slot type	Kensington
Performance-core base frequency	2.6 GHz	Product colour *	Black
Efficient-core base frequency	1.9 GHz	Intel® vPro™ Platform Eligibility	✓
Processor cache	24 MB	<b>Performance</b>	
Processor cache type	Smart Cache	Motherboard chipset	Intel Q670
Number of processors installed	1	Audio chip	Realtek ALC3204-CG
Processor base power	65 W	Audio system	High Definition Audio
Maximum turbo power	154 W	Trusted Platform Module (TPM)	✓
<b>Memory</b>		Trusted Platform Module (TPM) version	2.0
Internal memory *	8 GB	Product type *	PC
Maximum internal memory *	64 GB	<b>Software</b>	
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Pro
Memory layout (slots x size)	1 x 8 GB	Operating system architecture	64-bit
Memory slots	2x DIMM	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Memory data transfer rate	4800 MT/s		
<b>Storage</b>			
Total storage capacity *	512 GB		

Storage		Software	
Storage media *	SSD	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Optical drive type *	✗	<b>Power</b>	
Number of storage drives installed	1	Power supply *	180 W
Total SSDs capacity	512 GB	Power supply input voltage	90 - 264 V
Number of SSDs installed	1	Power supply input frequency	47/63 Hz
SSD capacity	512 GB	80 PLUS certification	80 PLUS Bronze
SSD interface	PCI Express	<b>Operational conditions</b>	
NVMe	✓	Operating temperature (T-T)	10 - 35 °C
SSD form factor	M.2	Storage temperature (T-T)	-40 - 65 °C
SSD performance class	35	Operating relative humidity (H-H)	20 - 80%
<b>Graphics</b>		Storage relative humidity (H-H)	5 - 95%
Discrete graphics card *	✗	Operating altitude	-15.2 - 3048 m
On-board graphics card *	✓	Non-operating altitude	-15.2 - 10668 m
Discrete graphics card model *	Not available	Operating vibration	0.26 G
On-board GPU manufacturer	Intel	Non-operating vibration	1.37 G
On-board graphics card family	Intel® UHD Graphics	Non-operating shock	105 G
On-board graphics card model *	Intel UHD Graphics 770	<b>Sustainability</b>	
<b>Network</b>		Sustainability compliance	✓
Ethernet LAN *	✓	Sustainability certificates	ENERGY STAR, EPEAT Silver
Ethernet LAN data rates	10,100,1000 Mbit/s	<b>Weight &amp; dimensions</b>	
Cabling technology	10/100/1000Base-T(X)	Width *	92.6 mm
Wi-Fi *	✓	Depth *	292.8 mm
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Height *	290 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)	<b>Packaging content</b>	
WLAN controller manufacturer	Intel	Display included *	✗
WLAN controller model	Intel Wi-Fi 6E AX210	<b>Carbon footprint</b>	
Antenna type	2x2	Total carbon footprint (kg of CO2e)	160
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)	64
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 version 1, 2024
HDMI version	1.4b		
DisplayPorts quantity	1		



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Publication date: 27-FEB-2025. Prints or copies of Information are only valid on the printed Publication date