



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

Article code: 0TWFC

Product name : 7020

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 color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel® Core™ i5	Number of SATA III connectors	2
Processor generation	Intel® Core™ i5 (14th gen)	Expansion slots	
Processor model *	i5-14500	PCI Express x1 (Gen 3.x) slots	1
Processor cores	14	PCI Express x16 (Gen 3.x) slots	1
Processor threads	20	Design	
Processor boost frequency	5 GHz	Chassis type *	SFF
Performance cores	6	Placement supported	Vertical
Efficient cores	8	Cable lock slot	✓
Performance-core Max Turbo Frequency	5 GHz	Cable lock slot type	Kensington
Efficient-core Max Turbo Frequency	3.7 GHz	Product colour *	Black
Performance-core base frequency	2.6 GHz	Intel® vPro™ Platform Eligibility	✓
Efficient-core base frequency	1.9 GHz	Performance	
Processor cache	24 MB	Motherboard chipset	Intel Q670
Processor cache type	Smart Cache	Audio chip	Realtek ALC3204-CG
Number of processors installed	1	Audio system	High Definition Audio
Processor base power	65 W	Trusted Platform Module (TPM)	✓
Maximum turbo power	154 W	Trusted Platform Module (TPM) version	2.0
Memory		Product type *	PC
Internal memory *	16 GB	Software	
Maximum internal memory *	64 GB	Operating system installed *	Windows 11 Pro
Internal memory type	DDR5-SDRAM	Operating system architecture	64-bit
Memory layout (slots x size)	1 x 16 GB	Operating system language	English, Spanish, French, Italian, Portuguese
Memory slots	2x DIMM	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Memory data transfer rate	4800 MT/s		
Storage			
Total storage capacity *	512 GB		

Storage		Power	
Storage media *	SSD	Power supply *	180 W
Optical drive type *	✗	Power supply input voltage	90 - 264 V
Number of storage drives installed	1	Power supply input frequency	47/63 Hz
Total SSDs capacity	512 GB	80 PLUS certification	80 PLUS Bronze
Number of SSDs installed	1	Operational conditions	
SSD capacity	512 GB	Operating temperature (T-T)	10 - 35 °C
SSD interface	PCI Express	Storage temperature (T-T)	-40 - 65 °C
NVMe	✓	Operating relative humidity (H-H)	20 - 80%
SSD form factor	M.2	Storage relative humidity (H-H)	5 - 95%
SSD performance class	35	Operating altitude	-15.2 - 3048 m
Graphics		Non-operating altitude	-15.2 - 10668 m
Discrete graphics card *	✗	Operating vibration	0.26 G
On-board graphics card *	✓	Non-operating vibration	1.37 G
Discrete graphics card model *	Not available	Non-operating shock	105 G
On-board GPU manufacturer	Intel	Sustainability	
On-board graphics card family	Intel® UHD Graphics	Sustainability compliance	✓
On-board graphics card model *	Intel UHD Graphics 770	Sustainability certificates	ENERGY STAR, EPEAT Silver
Network		Weight & dimensions	
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 *	✓	Packaging content	
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)	Cables included	AC
WLAN controller manufacturer	Intel	Carbon footprint	
WLAN controller model	Intel Wi-Fi 6E AX210	Total carbon footprint (kg of CO2e)	160
Antenna type	2x2	Carbon emissions, manufacturing (kg of CO2e)	80
Bluetooth	✓	Carbon emissions, logistics (kg of CO2e)	11
Ports & interfaces		Carbon emissions, energy usage (kg of CO2e)	64
USB 2.0 ports quantity *	4	Carbon emissions, end-of-life (kg of CO2e)	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Total carbon emissions, w/o use phase (kg of CO2e)	96
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	PAIA version	GaBi version 1, 2024
HDMI ports quantity *	1		
HDMI version	1.4b		
DisplayPorts quantity	1		
DisplayPort version	1.4a		



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