



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

**Brand :** DELL

**Product family:** OptiPlex

**Article code:** CF0NG

**Product name :** 7020

DELL OptiPlex 7020. Processor family: Intel® Core™ i5, Processor model: i5-14500T. 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: 90 W. Chassis type: MFF. Product type: Mini PC. Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	DisplayPort version	1.4a
Processor family *	Intel® Core™ i5	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel® Core™ i5 (14th gen)	Combo headphone/mic port	✓
Processor model *	i5-14500T	DC-in jack	✓
Processor cores	14	<b>Design</b>	
Processor threads	20	Chassis type *	MFF
Processor boost frequency	4.8 GHz	Placement supported	Horizontal/Vertical
Performance cores	6	Cable lock slot	✓
Efficient cores	8	Cable lock slot type	Kensington
Performance-core Max Turbo Frequency	4.8 GHz	Product colour *	Black
Efficient-core Max Turbo Frequency	3.4 GHz	<b>Performance</b>	
Performance-core base frequency	1.7 GHz	Market positioning	Business
Efficient-core base frequency	1.2 GHz	Motherboard chipset	Intel Q670
Processor cache	24 MB	Audio chip	Realtek ALC3204
Processor cache type	Smart Cache	Built-in speaker(s)	✓
Number of processors installed	1	Number of speakers	1
Processor base power	35 W	Password protection	✓
Maximum turbo power	92 W	Trusted Platform Module (TPM)	✓
<b>Memory</b>		Trusted Platform Module (TPM) version	2.0
Internal memory *	16 GB	Product type *	Mini 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 16 GB	Operating system architecture	64-bit
Memory slots	2x SO-DIMM	Operating system language	English, Spanish, French, Italian, Portuguese
<b>Storage</b>		Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Total storage capacity *	512 GB	<b>Power</b>	
Storage media *	SSD	Power supply *	90 W
Optical drive type *	✗	Power supply input voltage	100 - 240 V
Total SSDs capacity	512 GB	Power supply input frequency	50/60 Hz
Number of SSDs installed	1	<b>Operational conditions</b>	
SSD capacity	512 GB	Operating temperature (T-T)	10 - 35 °C
SSD interface	PCI Express	Storage temperature (T-T)	-40 - 65 °C
NVMe	✓		
SSD form factor	M.2		
SSD performance class	35		

Storage		Operational conditions	
M.2 SSD size	2230 (22 x 30 mm)	Operating relative humidity (H-H)	20 - 80%
Graphics		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	Operating shock	40 G
On-board graphics card model *	Intel UHD Graphics 770	Non-operating shock	105 G
Network		Sustainability	
Ethernet LAN *	✓	Sustainability compliance	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability certificates	TCO, ENERGY STAR, EPEAT Climate +
Wi-Fi *	✓	Doesn't contain	PVC/BFR
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Weight & dimensions	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Width *	36 mm
WLAN controller manufacturer	Intel	Depth *	178 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Height *	182 mm
Antenna type	2x2	Packaging content	
Bluetooth	✓	Display included *	✗
Ports & interfaces		Cables included	AC
USB 2.0 ports quantity *	2	Power cable length	1.8 m
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Carbon footprint	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Total carbon footprint (kg of CO2e)	91
PowerShare	✓	Carbon emissions, manufacturing (kg of CO2e)	59
Number of USB ports with PowerShare support	1	Carbon emissions, logistics (kg of CO2e)	2
HDMI ports quantity *	1	Carbon emissions, energy usage (kg of CO2e)	28
HDMI version	1.4b	Carbon emissions, end-of-life (kg of CO2e)	1
DisplayPorts quantity	1	Total carbon emissions, w/o use phase (kg of CO2e)	62
		PAIA version	GaBi version 1, 2024



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