



## DELL OptiPlex 7020 Plus Intel® Core™ i7 i7-14700 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro MFF Mini PC Black

**Brand :** DELL

**Product family:** OptiPlex

**Article code:** 542TT

**Product name :** 7020 Plus

DELL OptiPlex 7020 Plus. Processor family: Intel® Core™ i7, Processor model: i7-14700. 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: MFF. Product type: Mini PC. Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	DisplayPorts quantity	3
Processor family *	Intel® Core™ i7	DisplayPort version	1.4a
Processor generation	Intel® Core™ i7 (14th gen)	Ethernet LAN (RJ-45) ports	1
Processor model *	i7-14700	Microphone in	✓
Processor cores	20	Combo headphone/mic port	✓
Processor threads	28	DC-in jack	✓
Processor boost frequency	5.4 GHz	Number of rear USB ports	3
Performance cores	8	Number of front USB ports	2
Efficient cores	12	Number of front audio ports	2
Performance-core Max Turbo Frequency	5.3 GHz	<b>Design</b>	
Efficient-core Max Turbo Frequency	4.2 GHz	Chassis type *	MFF
Performance-core base frequency	2.1 GHz	Placement supported	Horizontal/Vertical
Efficient-core base frequency	1.5 GHz	Water cooling system	✗
Processor cache	33 MB	Cable lock slot	✓
Processor cache type	Smart Cache	Cable lock slot type	Kensington
Number of processors installed	1	Product colour *	Black
Number of processors supported	1	Intel® vPro™ Platform Eligibility	✓
Processor base power	65 W	<b>Performance</b>	
Maximum turbo power	219 W	Market positioning	Business
<b>Memory</b>		Motherboard chipset	Intel Q670
Internal memory *	16 GB	Audio chip	Realtek ALC3246
Maximum internal memory *	64 GB	Built-in speaker(s)	✓
Internal memory type	DDR5-SDRAM	Number of speakers	1
Memory layout (slots x size)	1 x 16 GB	Password protection	✓
Memory slots	2x SO-DIMM	Trusted Platform Module (TPM)	✓
ECC	✗	Trusted Platform Module (TPM) version	2.0
Memory channels	Single-channel		

Storage		Performance	
Total storage capacity *	512 GB	Product type *	Mini PC
Storage media *	SSD	<b>Software</b>	
Optical drive type *	✗	Operating system installed *	Windows 11 Pro
Number of storage drives installed	1	Operating system architecture	64-bit
Total SSDs capacity	512 GB	Operating system language	German, Dutch, English, French, Italian
Number of SSDs installed	1	Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only
SSD capacity	512 GB	<b>Power</b>	
SSD interface	PCI Express 4.0	Power supply *	180 W
NVMe	✓	Power supply input voltage	100 - 240 V
SSD form factor	M.2	Power supply input frequency	50/60 Hz
SSD performance class	35	<b>Operational conditions</b>	
Compatible memory cards	Not supported	Operating temperature (T-T)	10 - 35 °C
RAID support	✗	Storage temperature (T-T)	-40 - 65 °C
<b>Graphics</b>		Operating relative humidity (H-H)	20 - 80%
Discrete graphics card *	✗	Storage relative humidity (H-H)	5 - 95%
On-board graphics card *	✓	Operating altitude	-15.2 - 3048 m
Discrete graphics card model *	Not available	Non-operating altitude	-15.2 - 10668 m
On-board GPU manufacturer	Intel	Operating vibration	0.26 G
On-board graphics card family	Intel® UHD Graphics	Non-operating vibration	1.37 G
On-board graphics card model *	Intel UHD Graphics 770	Operating shock	40 G
Maximum on-board graphics card resolution	7680 x 4320 pixels	Non-operating shock	105 G
<b>Network</b>		<b>Sustainability</b>	
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)	<b>Weight &amp; dimensions</b>	
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	<b>Packaging content</b>	
Bluetooth	✓	Display included *	✗
<b>Ports &amp; interfaces</b>		Input device model	Dell Pro Wireless Keyboard and Mouse - KM5221W - UK (QWERTY) - Black
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Cables included	AC
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	<b>Carbon footprint</b>	
USB 3.2 Gen 2x2 Type-C ports quantity	1	Total carbon footprint (kg of CO2e)	96
PowerShare	✓	Carbon emissions, manufacturing (kg of CO2e)	62
Number of USB ports with PowerShare support	1	Carbon emissions, logistics (kg of CO2e)	2
		Carbon emissions, energy usage (kg of CO2e)	31
		Carbon emissions, end-of-life (kg of CO2e)	1
		Total carbon emissions, w/o use phase (kg of CO2e)	65
		PAIA version	GaBi version 1, 2024



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