



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

Brand : DELL

Product family: OptiPlex

Product code: V4CHX

Product name : 7020

DELL OptiPlex 7020. Processor family: Intel® Core™ i7, Processor model: i7-14700T. 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 colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	DisplayPort version	1.4a
Processor family *	Intel® Core™ i7	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel® Core™ i7 (14th gen)	Combo headphone/mic port	✓
Processor model *	i7-14700T	DC-in jack	✓
Processor cores	20	<b>Design</b>	
Processor threads	28	Chassis type *	MFF
Processor boost frequency	5.2 GHz	Placement supported	Horizontal/Vertical
Performance cores	8	Cable lock slot	✓
Efficient cores	12	Cable lock slot type	Kensington
Performance-core Max Turbo Frequency	5 GHz	Product colour *	Black
Efficient-core Max Turbo Frequency	3.7 GHz	Intel® vPro™ Platform Eligibility	✓
Performance-core base frequency	1.3 GHz	<b>Performance</b>	
Efficient-core base frequency	0.9 GHz	Market positioning	Business
Processor cache	33 MB	Motherboard chipset	Intel Q670
Processor cache type	Smart Cache	Audio chip	Realtek ALC3204
Number of processors installed	1	Built-in speaker(s)	✓
Processor base power	35 W	Number of speakers	1
Maximum turbo power	106 W	Password protection	✓
<b>Memory</b>		Trusted Platform Module (TPM)	✓
Internal memory *	16 GB	Trusted Platform Module (TPM) version	2.0
Maximum internal memory *	64 GB	Product type *	Mini PC
Internal memory type	DDR5-SDRAM	<b>Software</b>	
Memory layout (slots x size)	1 x 16 GB	Operating system installed *	Windows 11 Pro
Memory slots	2x SO-DIMM	Operating system architecture	64-bit
<b>Storage</b>		Operating system language	Danish, English, Finnish, Norwegian, Swedish
Total storage capacity *	512 GB	Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only
Storage media *	SSD	<b>Power</b>	
Optical drive type *	✗	Power supply *	90 W
Total SSDs capacity	512 GB	Power supply input voltage	100 - 240 V
Number of SSDs installed	1	Power supply input frequency	50/60 Hz
SSD capacity	512 GB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
SSD performance class	35		

<b>Storage</b>		<b>Operational conditions</b>	
M.2 SSD size	2230 (22 x 30 mm)	Operating temperature (T-T)	10 - 35 °C
<b>Graphics</b>		Storage temperature (T-T)	-40 - 65 °C
Discrete graphics card *	✗	Operating relative humidity (H-H)	20 - 80%
On-board graphics card *	✓	Storage relative humidity (H-H)	5 - 95%
Discrete graphics card model *	Not available	Operating altitude	-15.2 - 3048 m
On-board GPU manufacturer	Intel	Non-operating altitude	-15.2 - 10668 m
On-board graphics card family	Intel® UHD Graphics	Operating vibration	0.26 G
On-board graphics card model *	Intel UHD Graphics 770	Non-operating vibration	1.37 G
<b>Network</b>		Operating shock	40 G
Ethernet LAN *	✓	Non-operating shock	105 G
Ethernet LAN data rates	10,100,1000 Mbit/s	<b>Sustainability</b>	
Wi-Fi *	✓	Sustainability compliance	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Sustainability certificates	TCO, ENERGY STAR, EPEAT Climate +
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Doesn't contain	PVC/BFR
WLAN controller manufacturer	Intel	<b>Weight &amp; dimensions</b>	
WLAN controller model	Intel Wi-Fi 6E AX211	Width *	36 mm
Antenna type	2x2	Depth *	178 mm
Bluetooth	✓	Height *	182 mm
<b>Ports &amp; interfaces</b>		<b>Packaging content</b>	
USB 2.0 ports quantity *	2	Display included *	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	<b>Carbon footprint</b>	
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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