



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

Brand : DELL

Product family: OptiPlex

Product code: 40XJC

Product name : 7020 Plus

- Windows 11 Pro 64-bit
- Intel Core i7-14700 (33MB Cache)

- 16GB DDR5-SDRAM (2 x 8) & 512GB SSD

Intel Core i7-14700 (33MB Cache), 16GB DDR5-SDRAM, 512GB SSD, Intel UHD Graphics 770, LAN, WLAN, Bluetooth, Windows 11 Pro 64-bit

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High performance commercial desktop with DDR5 memory, 10 native USBs including 1 USB-C, and 3 native DisplayPorts.

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: 260 W. Chassis type: SFF. Product type: PC. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Number of USB ports with PowerShare support	1
Processor family *	Intel® Core™ i7	DisplayPorts quantity	3
Processor generation	Intel® Core™ i7 (14th gen)	DisplayPort version	1.4a
Processor model *	i7-14700	Ethernet LAN (RJ-45) ports	1
Processor cores	20	Line-out	✓
Processor threads	28	Line-in	✓
Processor boost frequency	5.4 GHz	Combo headphone/mic port	✓
Performance cores	8	Number of SATA III connectors	3
Efficient cores	12	Expansion slots	
Performance-core Max Turbo Frequency	5.3 GHz	PCI Express x4 (Gen 3.x) slots	1
Efficient-core Max Turbo Frequency	4.2 GHz	PCI Express x16 (Gen 4.x) slots	1
Performance-core base frequency	2.1 GHz	Design	
Efficient-core base frequency	1.5 GHz	Chassis type *	SFF
Processor cache	33 MB	Placement supported	Vertical
Processor cache type	Smart Cache	Water cooling system	✗
Number of processors installed	1	Cable lock slot	✓
Number of processors supported	1	Cable lock slot type	Kensington
Processor base power	65 W	Product colour *	Black
Maximum turbo power	219 W	Intel® vPro™ Platform Eligibility	✓
Memory		Performance	
Internal memory *	16 GB	Market positioning	Business
Maximum internal memory *	128 GB	Motherboard chipset	Intel Q670
Internal memory type	DDR5-SDRAM	Audio chip	Realtek ALC3246-CG
Memory layout (slots x size)	2 x 8 GB	Built-in speaker(s)	✗
Memory slots	4x DIMM	Trusted Platform Module (TPM)	✓
Memory channels	Dual-channel	Trusted Platform Module (TPM) version	2.0
Memory data transfer rate	4400 MT/s		

Storage		Performance	
Total storage capacity *	512 GB	Product type *	PC
Storage media *	SSD	Software	
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	Activate Your Microsoft 365 For A 30 Day Trial
SSD capacity	512 GB	Power	
SSD interface	PCI Express	Power supply *	260 W
NVMe	✓	Power supply input voltage	90 - 264 V
SSD form factor	M.2	Power supply input frequency	47/63 Hz
SSD performance class	35	80 PLUS certification	80 PLUS Bronze
Compatible memory cards	Not supported	Operational conditions	
RAID support	✗	Operating temperature (T-T)	10 - 35 °C
Graphics		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
Maximum on-board graphics card resolution	7680 x 4320 pixels	Non-operating shock	105 G
Network		Sustainability	
Ethernet LAN *	✓	Sustainability certificates	ENERGY STAR, TCO
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
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)	Packaging content	
WLAN controller manufacturer	Intel	Display included *	✗
WLAN controller model	Intel Wi-Fi 6E AX211	Input device model	Dell Pro Wireless Keyboard and Mouse - KM5221W - UK (QWERTY) - Black
Antenna type	2x2	Cables included	AC
Bluetooth	✓	Carbon footprint	
Ports & interfaces		Total carbon footprint (kg of CO2e)	197
USB 2.0 ports quantity *	4	Carbon emissions, manufacturing (kg of CO2e)	86
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Carbon emissions, logistics (kg of CO2e)	12
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Carbon emissions, energy usage (kg of CO2e)	95
USB 3.2 Gen 2x2 Type-C ports quantity	1	Carbon emissions, end-of-life (kg of CO2e)	5
PowerShare	✓	Total carbon emissions, w/o use phase (kg of CO2e)	102
		PAIA version	GaBi verison1



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