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   **Article code:** DRVX9

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

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	Intel® Core™ i7 (14th gen)
Processor model *	i7-14700
Processor cores	20
Processor threads	28
Processor boost frequency	5.4 GHz
Performance cores	8
Efficient cores	12
Performance-core Max Turbo Frequency	5.3 GHz
Efficient-core Max Turbo Frequency	4.2 GHz
Performance-core base frequency	2.1 GHz
Efficient-core base frequency	1.5 GHz
Processor cache	33 MB
Processor cache type	Smart Cache
Number of processors installed	1
Processor base power	65 W
Maximum turbo power	219 W

Memory

Internal memory *	16 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 8 GB
Memory slots	4x DIMM
Memory data transfer rate	4400 MT/s

Storage

Total storage capacity *	512 GB

Ports & interfaces

DisplayPorts quantity	3
DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔
Number of SATA III connectors	3

Expansion slots

PCI Express x4 (Gen 3.x) slots	1
PCI Express x16 (Gen 4.x) slots	1

Design

Chassis type *	SFF
Placement supported	Vertical
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black
Intel® vPro™ Platform Eligibility	✔

Performance

Motherboard chipset	Intel Q670
Audio chip	Realtek ALC3246-CG
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Product type *	PC

Software

Operating system installed *	Windows 11 Pro

Storage

Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express
NVMe	✔
SSD form factor	M.2
SSD performance class	35

Graphics

Discrete graphics card *	✘
On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6E AX211
Antenna type	2x2
Bluetooth	✔

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2x2 Type-C ports quantity	1
PowerShare	✔
Number of USB ports with PowerShare support	1

Software

Operating system architecture	64-bit
Operating system language	English, Spanish, French, Italian, Portuguese
Trial software	Activate Your Microsoft 365 For A 30 Day Trial

Power

Power supply *	260 W
Power supply input voltage	90 - 264 V
Power supply input frequency	47/63 Hz
80 PLUS certification	80 PLUS Bronze

Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating vibration	0.26 G
Non-operating vibration	1.37 G
Non-operating shock	105 G

Weight & dimensions

Width *	92.6 mm
Depth *	292.8 mm
Height *	290 mm

Packaging content

Display included *	✘
Cables included	AC

Carbon footprint

Total carbon footprint (kg of CO2e)	167
Carbon emissions, manufacturing (kg of CO2e)	86
Carbon emissions, logistics (kg of CO2e)	12
Carbon emissions, energy usage (kg of CO2e)	65
Carbon emissions, end-of-life (kg of CO2e)	5
Total carbon emissions, w/o use phase (kg of CO2e)	102
PAIA version	GaBi version 1, 2024

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