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

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	Intel® Core™ i7 (14th gen)
Processor model *	i7-14700T
Processor cores	20
Processor threads	28
Processor boost frequency	5.2 GHz
Performance cores	8
Efficient cores	12
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Performance-core base frequency	1.3 GHz
Efficient-core base frequency	0.9 GHz
Processor cache	33 MB
Processor cache type	Smart Cache
Number of processors installed	1
Processor base power	35 W
Maximum turbo power	106 W

Memory

Internal memory *	16 GB
Maximum internal memory *	64 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 16 GB
Memory slots	2x SO-DIMM

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Optical drive type *	✗
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
SSD performance class	35

Ports & interfaces

DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1
Combo headphone/mic port	✔
DC-in jack	✔

Design

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

Performance

Market positioning	Business
Motherboard chipset	Intel Q670
Audio chip	Realtek ALC3204
Built-in speaker(s)	✔
Number of speakers	1
Password protection	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Product type *	Mini PC

Software

Operating system installed *	Windows 11 Pro
Operating system architecture	64-bit
Operating system language	Danish, English, Finnish, Norwegian, Swedish
Trial software	No Microsoft Office Licence Included - 30 day Trial Offer Only

Power

Power supply *	90 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50/60 Hz

Storage

M.2 SSD size	2230 (22 x 30 mm)

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
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), 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 *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
PowerShare	✔
Number of USB ports with PowerShare support	1
HDMI ports quantity *	1
HDMI version	1.4b
DisplayPorts quantity	1

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
Operating shock	40 G
Non-operating shock	105 G

Sustainability

Sustainability compliance	✔
Sustainability certificates	TCO, ENERGY STAR, EPEAT Climate +
Doesn't contain	PVC/BFR

Weight & dimensions

Width *	36 mm
Depth *	178 mm
Height *	182 mm

Packaging content

Display included *	✘

Carbon footprint

Total carbon footprint (kg of CO2e)	91
Carbon emissions, manufacturing (kg of CO2e)	59
Carbon emissions, logistics (kg of CO2e)	2
Carbon emissions, energy usage (kg of CO2e)	28
Carbon emissions, end-of-life (kg of CO2e)	1
Total carbon emissions, w/o use phase (kg of CO2e)	62
PAIA version	GaBi version 1, 2024

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