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

Brand : DELL

Product family: OptiPlex

Product code: N014O7020MFFEMEA_VP

Product name : 7020

DELL OptiPlex 7020. Protsessori perekond: Intel® Core™ i7, Protsessori mudel: i7-14700T. Sisemälu: 16 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 512 GB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel UHD Graphics 770. WiFi. Installitud operatsioonisüsteem: Windows 11 Pro, Operatsioonisüsteemi arhitektuur: 64-bit. Toiteallikas: 65 W. Keretüüp: MFF. Toote tüüp: Mini PC. Toote värv: Must

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

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

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
Trial software	Microsoft Office Trial,McAfee Business Protection 1-year

Power	
Power supply *	65 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50/60 Hz

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	20 - 80%

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	
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 *	✗
Cables included	AC

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

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 02-JAN-2025. Prints or copies of Information are only valid on the printed Publication date