DELL OptiPlex 7020 Intel® Core™ i3 i3-14100 8 GB DDR5-SDRAM 512 GB SSD Ubuntu Linux SFF PC Must

Brand : DELL

Product family: OptiPlex

Product code: N003O7020SFFEMEA_VP_UBU

Product name : 7020

DELL OptiPlex 7020. Protsessori perekond: Intel® Core™ i3, Protsessori mudel: i3-14100. Sisemälu: 8 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 512 GB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel UHD Graphics 730. WiFi. Installitud operatsioonisüsteem: Ubuntu Linux. Toiteallikas: 180 W. Keretüüp: SFF. Toote tüüp: PC. Toote värv: Must

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	Intel® Core™ i3 (14th gen)
Processor model *	i3-14100
Processor cores	4
Processor threads	8
Processor boost frequency	4.7 GHz
Performance cores	4
Performance-core Max Turbo Frequency	4.7 GHz
Performance-core base frequency	3.5 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Number of processors installed	1
Processor base power	60 W
Maximum turbo power	110 W

Memory	
Internal memory *	8 GB
Maximum internal memory *	64 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 8 GB
Memory slots	2x DIMM
Buffered memory type	Unregistered (unbuffered)

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Optical drive type *	✗
Total SSDs capacity	512 GB

Ports & interfaces	
USB Type-C DisplayPort Alternate Mode	✔
HDMI ports quantity *	1
HDMI version	1.4b
DisplayPorts quantity	1
DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1
Combo headphone/mic port	✔
Total number of SATA connectors	2

Expansion slots	
PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 3.x) slots	1

Design	
Chassis type *	SFF
Placement supported	Vertical
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black

Performance	
Motherboard chipset	Intel Q670
Audio chip	Realtek ALC3204-CG
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Product type *	PC

Software	
Operating system installed *	Ubuntu Linux

Storage	
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express
NVMe	✔
SSD form factor	M.2

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 730

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, 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 AX210
Antenna type	2x2

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 1 (3.1 Gen 1) Type-C ports quantity *	1

Power	
Power supply *	180 W
Power supply input voltage	90 - 264 V
Power supply input frequency	47/63 Hz

Sustainability	
Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, TCO

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)	160
Carbon emissions, manufacturing (kg of CO2e)	80
Carbon emissions, logistics (kg of CO2e)	11
Carbon emissions, energy usage (kg of CO2e)	64
Carbon emissions, end-of-life (kg of CO2e)	4
Total carbon emissions, w/o use phase (kg of CO2e)	96
PAIA version	GaBi version 1, 2024

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