DELL OptiPlex 7020 Intel® Core™ i3 i3-12100T 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro MFF Mini PC Must

Brand : DELL

Product family: OptiPlex

Product code: N103O7020MFFEMEA_N2_VP

Product name : 7020

DELL OptiPlex 7020. Protsessori perekond: Intel® Core™ i3, Protsessori mudel: i3-12100T. Sisemälu: 8 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 512 GB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel UHD Graphics 730. WiFi. Installitud operatsioonisüsteem: Windows 11 Pro, Operatsioonisüsteemi arhitektuur: 64-bit. Toiteallikas: 80 W. Keretüüp: MFF. Toote tüüp: Mini PC. Toote värv: Must

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	12th gen Intel® Core™ i3
Processor model *	i3-12100T
Processor cores	4
Processor threads	8
Processor boost frequency	4.1 GHz
Performance cores	4
Performance-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.2 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Number of processors installed	1
Processor base power	35 W
Maximum turbo power	69 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 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

Graphics	
Discrete graphics card *	✗
On-board graphics card *	✓

Ports & interfaces	
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 *	80 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%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	-15.2 - 3048 m

Graphics	
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
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
DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1

Operational conditions	
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 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

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