



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

Brand : DELL

Product family: OptiPlex

Product code:
N103O7020MFFEMEA_N2_VP

Product name : 7020

DELL OptiPlex 7020. Processor family: Intel® Core™ i3, Processor model: i3-12100T. Internal memory: 8 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 730. Wi-Fi. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 80 W. Chassis type: MFF. Product type: Mini PC. Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel® Core™ i3	DC-in jack	✓
Processor generation	12th gen Intel® Core™ i3	Design	
Processor model *	i3-12100T	Chassis type *	MFF
Processor cores	4	Placement supported	Horizontal/Vertical
Processor threads	8	Cable lock slot	✓
Processor boost frequency	4.1 GHz	Cable lock slot type	Kensington
Performance cores	4	Product color *	Black
Performance-core Max Turbo Frequency	4.1 GHz	Performance	
Performance-core base frequency	2.2 GHz	Market positioning	Business
Processor cache	12 MB	Motherboard chipset	Intel Q670
Processor cache type	Smart Cache	Audio chip	Realtek ALC3204
Number of processors installed	1	Built-in speaker(s)	✓
Processor base power	35 W	Number of speakers	1
Maximum turbo power	69 W	Password protection	✓
Memory		Trusted Platform Module (TPM)	✓
Internal memory *	8 GB	Product type *	Mini PC
Maximum internal memory *	64 GB	Trusted Platform Module (TPM) version	2.0
Internal memory type	DDR5-SDRAM	Software	
Memory layout (slots x size)	1 x 8 GB	Operating system architecture	64-bit
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Pro
Storage		Trial software	Microsoft Office Trial, McAfee Business Protection 1-year
Total storage capacity *	512 GB	Power	
Storage media *	SSD	Power supply *	80 W
Optical drive type *	✗	Power supply input voltage	100 - 240 V
Total SSDs capacity	512 GB	Power supply input frequency	50/60 Hz
Number of SSDs installed	1	Operational conditions	
SSD capacity	512 GB	Operating temperature (T-T)	10 - 35 °C
SSD interface	PCI Express 4.0	Storage temperature (T-T)	-40 - 65 °C
NVMe	✓	Operating relative humidity (H-H)	20 - 80%
SSD form factor	M.2	Storage relative humidity (H-H)	5 - 95%
Graphics		Operating altitude	-15.2 - 3048 m
Discrete graphics card *	✗		
On-board graphics card *	✓		

Graphics		Operational conditions	
Discrete graphics card model *	Not available	Non-operating altitude	-15.2 - 10668 m
On-board GPU manufacturer	Intel	Operating vibration	0.26 G
On-board graphics card family	Intel® UHD Graphics	Non-operating vibration	1.37 G
On-board graphics card model *	Intel UHD Graphics 730	Operating shock	40 G
Network		Non-operating shock	105 G
Ethernet LAN *	✓	Sustainability	
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability certificates	TCO, ENERGY STAR, EPEAT Climate +
Wi-Fi *	✓	Doesn't contain	PVC/BFR
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Weight & dimensions	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Width *	36 mm
WLAN controller manufacturer	Intel	Depth *	178 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Height *	182 mm
Antenna type	2x2	Packaging content	
Bluetooth	✓	Cables included	AC
Ports & interfaces		Carbon footprint	
USB 2.0 ports quantity *	2	Total carbon footprint (kg of CO2e)	90.5
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Carbon emissions, manufacturing (kg of CO2e)	59.368
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Carbon emissions, logistics (kg of CO2e)	2.353
PowerShare	✓	Carbon emissions, energy usage (kg of CO2e)	28.3265
Number of USB ports with PowerShare support	1	Carbon emissions, end-of-life (kg of CO2e)	0.543
HDMI ports quantity *	1	Total carbon emissions, w/o use phase (kg of CO2e)	62.1735
HDMI version	1.4b	PAIA version	GaBi version 1, 2024
DisplayPorts quantity	1	Display	
DisplayPort version	1.4a	Display included *	✗
Ethernet LAN (RJ-45) ports	1		

Catalog Object Cloud



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