



# DELL OptiPlex 7020 Intel® Core™ i5 i5-12500 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro SFF PC Black



**Brand :** DELL

**Product family:** OptiPlex

**Product code:** 53DKX

**Product name :** 7020

- Windows 11 Pro 64-bit
  - Intel Core i5-12500 (18MB Cache)
  - 16GB DDR5-SDRAM (1 x 16) & 512GB SSD
- Intel Core i5-12500 (18MB Cache), 16GB DDR5-SDRAM, 512GB SSD, Intel UHD Graphics 770, LAN, Windows 11 Pro 64-bit

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Commercial desktop with DDR5 memory, 8 native USBs including 1 USB-C, 1 native DisplayPort, and 1 native HDMI.

DELL OptiPlex 7020. Processor family: Intel® Core™ i5, Processor model: i5-12500. 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. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: SFF. Product type: PC. Product colour: Black

Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x1 (Gen 3.x) slots	1
Processor family *	Intel® Core™ i5	PCI Express x16 (Gen 3.x) slots	1
Processor generation	12th gen Intel® Core™ i5	<b>Design</b>	
Processor model *	i5-12500	Chassis type *	SFF
Processor cores	6	Placement supported	Vertical
Processor threads	12	Cable lock slot	✓
Processor boost frequency	4.6 GHz	Cable lock slot type	Kensington
Performance cores	6	Product colour *	Black
Performance-core Max Turbo Frequency	4.6 GHz	<b>Performance</b>	
Performance-core base frequency	3 GHz	Motherboard chipset	Intel Q670
Processor cache	18 MB	Audio chip	Realtek ALC3204-CG
Processor cache type	Smart Cache	Audio system	High Definition Audio
Number of processors installed	1	Trusted Platform Module (TPM)	✓
Processor base power	65 W	Trusted Platform Module (TPM) version	2.0
Maximum turbo power	117 W	Product type *	PC
<b>Memory</b>		<b>Software</b>	
Internal memory *	16 GB	Operating system installed *	Windows 11 Pro
Maximum internal memory *	64 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Operating system language	German, Dutch, English, French, Italian
Memory layout (slots x size)	1 x 16 GB	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Memory slots	2x DIMM	<b>Power</b>	
<b>Storage</b>		Power supply *	180 W
Total storage capacity *	512 GB	Power supply input voltage	90 - 264 V
Storage media *	SSD	Power supply input frequency	47/63 Hz
Optical drive type *	✗	80 PLUS certification	80 PLUS Bronze
Number of storage drives installed	1		
Total SSDs capacity	512 GB		

Storage		Operational conditions	
Number of SSDs installed	1	Operating temperature (T-T)	10 - 35 °C
SSD capacity	512 GB	Storage temperature (T-T)	-40 - 65 °C
SSD interface	PCI Express	Operating relative humidity (H-H)	20 - 80%
NVMe	✓	Storage relative humidity (H-H)	5 - 95%
SSD form factor	M.2	Operating altitude	-15.2 - 3048 m
SSD performance class	25	Non-operating altitude	-15.2 - 10668 m
M.2 SSD size	2230 (22 x 30 mm)	Operating vibration	0.26 G
<b>Graphics</b>		Non-operating vibration	1.37 G
Discrete graphics card *	✗	Non-operating shock	105 G
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card model *	Not available	Width *	92.6 mm
On-board GPU manufacturer	Intel	Depth *	292.8 mm
On-board graphics card family	Intel® UHD Graphics	Height *	290 mm
On-board graphics card model *	Intel UHD Graphics 770	Packaging content	
<b>Network</b>		Display included *	✗
Ethernet LAN *	✓	Mouse included on selected markets	Dell Optical Mouse-MS116 - Black
Ethernet LAN data rates	10,100,1000 Mbit/s	Keyboard included on selected markets	Dell Multimedia Keyboard-KB216 - UK (QWERTY) - Black
Cabling technology	10/100/1000Base-T(X)	Cables included	AC
Wi-Fi *	✗	Carbon footprint	
<b>Ports &amp; interfaces</b>		Total carbon footprint (kg of CO2e)	187
USB 2.0 ports quantity *	4	Carbon emissions, manufacturing (kg of CO2e)	80
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Carbon emissions, logistics (kg of CO2e)	11
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Carbon emissions, energy usage (kg of CO2e)	92
HDMI ports quantity *	1	Carbon emissions, end-of-life (kg of CO2e)	4
HDMI version	1.4b	Total carbon emissions, w/o use phase (kg of CO2e)	96
DisplayPorts quantity	1	PAIA version	GaBi verison1
DisplayPort version	1.4a		
Combo headphone/mic port	✓		
Number of SATA III connectors	1		



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