



DELL OptiPlex 7010 Plus Intel® Core™ i7 i7-13700 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro SFF PC Black

Brand : DELL

Product family: OptiPlex

Article code: HKM53

Product name : 7010 Plus

DELL OptiPlex 7010 Plus. Processor family: Intel® Core™ i7, Processor model: i7-13700. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4400 MHz. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770. Wi-Fi. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 260 W. Chassis type: SFF. Product type: PC. Product color: Black



Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x4 (Gen 3.x) slots	1
Processor family *	Intel® Core™ i7	PCI Express x16 (Gen 3.x) slots	1
Processor generation	13th gen Intel® Core™ i7	PCI Express x16 (Gen 4.x) slots	1
Processor model *	i7-13700	Design	
Processor cores	16	Chassis type *	SFF
Performance cores	8	Placement supported	Horizontal/Vertical
Efficient cores	8	Cable lock slot	✓
Performance-core base frequency	2.1 GHz	Cable lock slot type	Kensington
Efficient-core base frequency	1.5 GHz	Product color *	Black
Efficient-core Max Turbo Frequency	4.1 GHz	Performance	
Performance-core Max Turbo Frequency	5.1 GHz	Motherboard chipset	Intel Q670
Processor boost frequency	5.2 GHz	Audio chip	Realtek ALC3246-CG
Processor cache	30 MB	Audio system	High Definition Audio
Processor cache type	Smart Cache	Trusted Platform Module (TPM)	✓
Processor threads	24	Product type *	PC
Bus type	DMI4	Software	
Number of processors installed	1	Operating system installed *	Windows 11 Pro
Processor base power	65 W	Operating system architecture	64-bit
Maximum turbo power	219 W	Operating system language	English, Spanish, French, Portuguese
Memory		Processor special features	
Internal memory *	16 GB	Intel 64	✓
Maximum internal memory *	128 GB	Enhanced Intel SpeedStep Technology	✓
Internal memory type	DDR5-SDRAM	Embedded options available	✓
Memory layout (slots x size)	2 x 8 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	4x DIMM	Idle States	✓
Memory clock speed	4400 MHz		

Storage		Processor special features	
Total storage capacity *	512 GB	Intel Stable Image Platform Program (SIPP)	✓
Storage media *	SSD	Intel Trusted Execution Technology	✓
Optical drive type *	✗	Execute Disable Bit	✓
Total SSDs capacity	512 GB	CPU configuration (max)	1
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	512 GB	Intel Virtualization Technology (VT-x)	✓
SSD interface	PCI Express		
NVMe	✓		
SSD form factor	M.2		
Graphics		Power	
Discrete graphics card *	✗	Power supply *	260 W
On-board graphics card *	✓	Power supply input voltage	90 - 264 V
Discrete graphics card model *	Not available	Power supply input frequency	47/63 Hz
On-board GPU manufacturer	Intel	80 PLUS certification	80 PLUS Bronze
On-board graphics card family	Intel® UHD Graphics		
On-board graphics card model *	Intel UHD Graphics 770		
Network		Operational conditions	
Ethernet LAN *	✓	Operating temperature (T-T)	10 - 35 °C
Ethernet LAN data rates	10,100,1000 Mbit/s	Storage temperature (T-T)	-40 - 65 °C
Cabling technology	10/100/1000Base-T(X)	Operating relative humidity (H-H)	20 - 80%
Wi-Fi *	✓	Storage relative humidity (H-H)	5 - 95%
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Operating altitude	-598.4 - 120000" (-15.2 - 3048 m)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Non-operating altitude	-598.4 - 420000" (-15.2 - 10668 m)
WLAN controller manufacturer	Intel	Operating vibration	0.26 G
WLAN controller model	Intel Wi-Fi 6E AX211	Non-operating vibration	1.37 G
Antenna type	2x2	Operating shock	40 G
Bluetooth	✓	Non-operating shock	105 G
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	4	Width *	3.65" (92.6 mm)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Depth *	11.5" (292.8 mm)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Height *	11.4" (290 mm)
USB 3.2 Gen 2x2 Type-C ports quantity	1		
PowerShare	✓		
Number of USB ports with PowerShare support	1		
DisplayPorts quantity	3		
DisplayPort version	1.4a		
Ethernet LAN (RJ-45) ports	1		
Line-out	✓		
Line-in	✓		
Combo headphone/mic port	✓		
Number of SATA III connectors	3		
Expansion slots		Packaging content	
PCI Express x1 (Gen 3.x) slots	1	Display included *	✗
		Mouse included on selected markets only	✓
		Keyboard included on selected markets only	✓
		Cables included	AC
		Carbon footprint	
		Total carbon footprint	337 kg of CO2e
		Total carbon emissions (Standard deviation)	86 kg of CO2e
		Carbon emissions (Manufacturing)	214 kg of CO2e
		Carbon emissions (Logistics)	15 kg of CO2e
		Carbon emissions (Use)	105 kg of CO2e
		Carbon emissions (End-of-Life)	3 kg of CO2e
		Total carbon emissions (w/o Use phase)	232 kg of CO2e
		PAIA version	1.3.2, 2022



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