

Dell OptiPlex 7420 Plus All In One(FH0D1)

Dell OptiPlex 7420 Plus All In One - All-in-one Core i7 i7-14700 / up to 5.4 GHz - vPro Enterprise - RAM 16 GB - SSD 512 GB - NVMe, Class 35 - UHD Graphics 770 - Gigabit Ethernet, Bluetooth, IEEE 802.11ax (Wi-Fi 6E) - Win 11 Pro - monitor: LED 23.81" 1920 x 1080 (Full HD) @ 60 Hz - silver, black (keyboard) - BTS - with 3 Years Basic Onsite Service after Remote Diagnosis with Hardware-Only Support



Discover the Dell OptiPlex 7420 Plus All In One, a powerful and secure all-in-one PC designed to meet the demands of modern workplaces. Featuring a 23.81-inch Full HD display with Dell ComfortView Plus and a 99% sRGB color gamut, it offers exceptional visual clarity and color accuracy. The height-adjustable stand ensures ergonomic comfort for users of all heights, promoting productivity throughout the workday.

Under the hood, the Dell OptiPlex 7420 Plus All In One is powered by a 20-core Intel Core i7 processor and 16 GB of DDR5 RAM, making it capable of handling demanding applications and multitasking with ease. It also boasts a wide range of connectivity options, including USB 3.2 Gen 2, USB-C 3.2 Gen 2x2, and HDMI input/output, allowing for seamless integration with your existing devices and peripherals.

Security is paramount, and the Dell OptiPlex 7420 Plus All In One delivers with a Kensington security slot, chassis intrusion switch, and Trusted Platform Module (TPM 2.0) security chip, ensuring your data is protected. Whether for work or play, this all-in-one PC is designed to exceed expectations, offering a blend of performance, security, and convenience.

Key Selling Points

- 23.81-inch Full HD display with 99% sRGB for vivid image clarity
- Height-adjustable stand for ergonomic comfort
- Intel Core i7 processor and 16 GB DDR5 RAM for high performance
- Comprehensive connectivity with USB 3.2, USB-C, and HDMI ports
- Built-in security features including TPM 2.0 and chassis intrusion switch

Product Features

- Effortless adjustability**
The Dell OptiPlex 7420 Plus All In One features a height-adjustable stand, ensuring ergonomic comfort and productivity for users of all heights.
- Vivid visuals**
Boasting a 23.81-inch Full HD display with Dell ComfortView Plus and a 99% sRGB color gamut, this all-in-one delivers stunning clarity and color accuracy for a superior viewing experience.
- Seamless connectivity**
Equipped with a wide range of ports including USB 3.2 Gen 2, USB-C 3.2 Gen 2x2, and HDMI input/output, the Dell OptiPlex 7420 Plus All In One ensures easy connection to all your devices and peripherals.
- Powerful performance**
Powered by a 20-core Intel Core i7 processor with a max turbo speed of 5.4 GHz and 16 GB of DDR5 RAM, this all-in-one handles demanding applications and multitasking with ease.
- Advanced security**
With a Kensington security slot, chassis intrusion switch, and Trusted Platform Module (TPM 2.0) security chip, the Dell OptiPlex 7420 Plus All In One offers robust security features to protect your data.

Main Specifications

Product Description	Dell OptiPlex 7420 Plus All In One - all-in-one Core i7 i7-14700 2.1 GHz - vPro Enterprise - 16 GB - SSD 512 GB - LED 23.81"
Type	Personal computer - all-in-one
Bundled Services	3 Years Basic Onsite Service after Remote Diagnosis with Hardware-Only Support
Platform Technology	Intel vPro Enterprise
Processor	Intel Core i7 (14th Gen) i7-14700 / 2.1 GHz (up to 5.4 GHz, (20-core)

Cache Memory	33 MB
Cache Per Processor	33 MB
RAM	16 GB (installed) / 64 GB (max) - DDR5 SDRAM
Hard Drive	SSD 512 GB - PCI Express 4.0 x4 - M.2 2230 - NVM Express (NVMe), Class 35
Optical Storage	No optical drive
Card Reader	Yes
Monitor	23.81" - LED - 1920 x 1080 (Full HD) @ 60 Hz - 92 ppi
Graphics Controller	Intel UHD Graphics 770 Shared Video Memory (UMA)
Camera	Yes
Audio Output	Stereo
Networking	1GbE, Bluetooth, 802.11a, 802.11b/g/n, Wi-Fi 5, Wi-Fi 6E
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Software Included	Intel Rapid Storage Technology, Intel Connectivity Performance Suite, Dell Additional Softwares, No Microsoft Office License Included - 30 day Trial Offer Only
Colour	Silver, black (keyboard)
Dimensions (WxDxH)	54 cm x 5.79 cm x 35.43 cm
Weight	6.33 kg
Pricing Type	Build To Stock (BTS)
Environmental Standards	TCO Certified Edge All-in-One PCs, TCO Certified All-in-One PCs 9, ENERGY STAR Qualified
Carbon Footprint	372 kg carbon emissions

Extended Specification

General

Platform Technology	Intel vPro Enterprise
Type	Personal computer
Bundled Services	3 Years Basic Onsite Service after Remote Diagnosis with Hardware-Only Support
Product Form Factor	All-in-one - with height-adjustable stand
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Colour	Silver, black (keyboard)

Expansion / Connectivity

Slots	2 (total) / 1 (free) x M.2 Card - 2230/2280 1 (total) / 0 (free) x M.2 Card - 2230
Interfaces	1 x LAN (Gigabit Ethernet) 4 x USB 3.2 Gen 2 (one of them with PowerShare) 1 x USB-C 3.2 Gen 2x2 2 x USB 3.2 Gen 1 (supports SmartPower On) 1 x audio line-out 1 x headphones/microphone 1 x DisplayPort 1.4a 1 x HDMI input 1 x HDMI output

RAM

Installed Size	16 GB (installed) / 64 GB (max)
Technology	DDR5 SDRAM
Form Factor	SO-DIMM 262-pin
Slots	2 (Total) / 1 (empty)
Configuration Features	1 x 16 GB

Networking

Interface (Bus) Type	M.2 2230
Ethernet Controller	Intel I219-LM
Wireless LAN Supported	Yes
Wireless NIC	Intel Wi-Fi 6E AX 211

Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, Bluetooth, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6E)
Features	Dual stream (2x2)
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), chassis intrusion switch
Security Slot Type	Kensington security slot
Pricing Type	Build To Stock (BTS)

Power

Device Type	Power supply
Voltage Required	AC 90-264 V (50/60 Hz)
Power Provided	160 Watt
80 PLUS Certification	80 PLUS Bronze
Efficiency	85%

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% (non-condensing)

Cache Memory

Installed Size	33 MB
Cache Per Processor	33 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Windows 11 Pro Dutch / English / French / German / Italian
Software	Intel Rapid Storage Technology, Intel Connectivity Performance Suite, Dell Additional Softwares, No Microsoft Office License Included - 30 day Trial Offer Only

Monitor

Monitor Type	LED - IPS
Diagonal Size	23.81"
Native Resolution	1920 x 1080 (Full HD)
V-Sync Rate at Max Res.	60 Hz
Widescreen Display	Yes
Pixel Density (ppi)	92
Horizontal Viewing Angle	+89 / -89
Vertical Viewing Angle	+89 / -89
Colour Gamut	99% sRGB
Pixel Pitch	0.27 mm
Response Time	14 ms
Image Brightness	250 cd/m²
Image Contrast Ratio	1000:1
Monitor Features	Anti-glare, 3-sided bezelless, Dell ComfortView Plus

Graphics Controller	
Graphics Processor	Intel UHD Graphics 770 Shared Video Memory (UMA)
Video Interfaces	HDMI, DisplayPort
Audio Output	
Sound Output Mode	Stereo
Compliant Standards	High Definition Audio
Speakers Included	2 x right / left channel
Hard Drive	
Type	SSD - M.2 2230
Capacity	1 x 512 GB
Interface Type	PCI Express 4.0 x4
Features	NVM Express (NVMe), Class 35
Input Device	
Type	Mouse (on selected markets only), keyboard (on selected markets only)
Audio Input	
Type	2 microphones
Camera	
Camera	Yes
Resolution (MP)	5 Megapixel (standard), 0.23 Megapixel (infrared)
Resolution	2560 x 1920 (standard), 640 x 360 (infrared)
Features	IR camera, retractable, 30 frames per second, RGB camera, 85.9 degrees, 76.1 degrees (IR camera)
Dimensions & Weight	
Width	54 cm
Depth	5.79 cm
Height	35.43 cm
Weight	6.33 kg
Keyboard	
Keyboard Name	Dell KM5221W Pro Wireless Keyboard and Mouse Combo
Connectivity	Wireless
Card Reader	
Type	Card reader
Supported Flash Memory Cards	SD Memory Card, SDHC Memory Card, SDXC Memory Card
Mouse	
Connectivity	Wireless
Processor / Chipset	
CPU	Intel Core i7 (14th Gen) i7-14700
Clock Speed	2.1 GHz (P-core) / 1.5 GHz (E-core)
Max Turbo Speed	5.4 GHz (P-core) / 4.2 GHz (E-core)
Number of Cores	20-core
CPU Qty	1

Max CPU Qty	1
Chipset Type	Intel Q670

Sustainability Information

TCO Certified	TCO Certified Edge All-in-One PCs, TCO Certified All-in-One PCs 9
ENERGY STAR Certified	Yes
Carbon Footprint	372 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	105
Manufacturing (kg CO2e)	195.3
Logistics (kg CO2e)	43.15
Use (kg CO2e)	133.55
EOL (kg CO2e)	0
Total Carbon w/o Use Phase (kg CO2e)	238.45
PAIA Version	1.4.0, 2024

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