



## DELL OptiPlex 7020 Intel® Core™ i5 i5-14500T 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro MFF Mini PC Black

**Brand :** DELL

**Product family:** OptiPlex

**Product code:** JX05H

**Product name :** 7020

- Windows 11 Pro 64-bit  
 - Intel Core i5-14500T (24Mo Cache)  
 - 16Go DDR5-SDRAM (1 x 16) & 512Go SSD  
 Intel Core i5-14500T (24Mo Cache), 16Go DDR5-SDRAM, 512Go SSD, Intel UHD Graphics 770, LAN, WLAN, Bluetooth, Windows 11 Pro 64-bit

DELL OptiPlex 7020 Intel® Core™ i5 i5-14500T 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro MFF Mini PC Black:

All purpose commercial desktop with DDR5 memory, 6 native USB ports including 1 USB-C, 1 native DisplayPort and 1 native HDMI port. Supports single cable set-up through an optional USB-C port. DELL OptiPlex 7020. Processor family: Intel® Core™ i5, Processor model: i5-14500T. 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. Wi-Fi. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 90 W. Chassis type: MFF. Product type: Mini PC. Product colour: Black



| Processor                            |                            | Ports & interfaces                    |  |
|--------------------------------------|----------------------------|---------------------------------------|--|
| Processor manufacturer *             | Intel                      | DisplayPort version                   | 1.4a   |
| Processor family *                   | Intel® Core™ i5            | Ethernet LAN (RJ-45) ports            | 1  |
| Processor generation                 | Intel® Core™ i5 (14th gen) | Combo headphone/mic port              | ✓  |
| Processor model *                    | i5-14500T                  | DC-in jack                            | ✓  |
| Processor cores                      | 14                         | Number of rear USB ports              | 4  |
| Processor threads                    | 20                         | Number of front USB ports             | 2  |
| Processor boost frequency            | 4.8 GHz                    | Number of front audio ports           | 1  |
| Performance cores                    | 6                          | <b>Design</b>                         |  |
| Efficient cores                      | 8                          | Chassis type *                        | MFF  |
| Performance-core Max Turbo Frequency | 4.8 GHz                    | Placement supported                   | Horizontal/Vertical                            |
| Efficient-core Max Turbo Frequency   | 3.4 GHz                    | Water cooling system                  | ✗  |
| Performance-core base frequency      | 1.7 GHz                    | Cable lock slot                       | ✓  |
| Efficient-core base frequency        | 1.2 GHz                    | Cable lock slot type                  | Kensington                                     |
| Processor cache                      | 24 MB                      | Product colour *                      | Black  |
| Processor cache type                 | Smart Cache                | Intel® vPro™ Platform Eligibility     | ✓  |
| Number of processors installed       | 1                          | <b>Performance</b>                    |  |
| Number of processors supported       | 1                          | Market positioning                    | Business                                       |
| Processor base power                 | 35 W                       | Motherboard chipset                   | Intel Q670                                     |
| Maximum turbo power                  | 92 W                       | Audio chip                            | Realtek ALC3204                                |
| <b>Memory</b>                        |                            | Built-in speaker(s)                   | ✓  |
| Internal memory *                    | 16 GB                      | Number of speakers                    | 1  |
| Maximum internal memory *            | 64 GB                      | Password protection                   | ✓  |
| Internal memory type                 | DDR5-SDRAM                 | Trusted Platform Module (TPM)         | ✓  |
| Memory layout (slots x size)         | 1 x 16 GB                  | Trusted Platform Module (TPM) version | 2.0  |
| Memory slots                         | 2x SO-DIMM                 | Product type *                        | Mini PC  |
| Memory channels                      | Single-channel             | <b>Software</b>                       |  |
| <b>Storage</b>                       |                            | Operating system installed *          | Windows 11 Pro                                 |
| Total storage capacity *             | 512 GB                     | Operating system architecture         | 64-bit   |
| Storage media *                      | SSD                        | Operating system language             | German, Dutch, English, French, Italian        |
| Optical drive type *                 | ✗                          | Trial software                        | Activate Your Microsoft 365 For A 30 Day Trial |
| Number of storage drives installed   | 1                          |                                       |  |
| Total SSDs capacity                  | 512 GB                     |                                       |  |
| Number of SSDs installed             | 1                          |                                       |  |
| SSD capacity                         | 512 GB                     |                                       |  |

| Storage   |   | Power  |  |
|---|---|--|--|
| SSD interface                                     | PCI Express 4.0   | Power supply *                                     | 90 W   |
| NVMe  | ✓   | Power supply input voltage                         | 100 - 240 V  |
| SSD form factor                                   | M.2   | Power supply input frequency                       | 50/60 Hz   |
| SSD performance class                             | 35  | Operational conditions                             |  |
| M.2 SSD size                                      | 2230 (22 x 30 mm)   | Operating temperature (T-T)                        | 10 - 35 °C   |
| Compatible memory cards                           | Not supported   | Storage temperature (T-T)                          | -40 - 65 °C  |
| RAID support                                      | ✗   | Operating relative humidity (H-H)                  | 20 - 80%   |
| Storage relative humidity (H-H)                   |   | Storage relative humidity (H-H)                    | 5 - 95%  |
| Graphics  |   | Operating altitude                                 | -15.2 - 3048 m                                       |
| Discrete graphics card *                          | ✗   | Non-operating altitude                             | -15.2 - 10668 m                                      |
| On-board graphics card *                          | ✓   | Operating vibration                                | 0.26 G   |
| Discrete graphics card model *                    | Not available   | Non-operating vibration                            | 1.37 G   |
| On-board GPU manufacturer                         | Intel   | Operating shock                                    | 40 G   |
| On-board graphics card family                     | Intel® UHD Graphics   | Non-operating shock                                | 105 G  |
| On-board graphics card model *                    | Intel UHD Graphics 770  | Sustainability                                     |  |
| Maximum on-board graphics card resolution         | 7680 x 4320 pixels  | Sustainability compliance                          | ✓  |
| Network   |   | Sustainability certificates                        | TCO, ENERGY STAR, EPEAT Climate +                    |
| Ethernet LAN *                                    | ✓   | Doesn't contain                                    | PVC/BFR  |
| Ethernet LAN data rates                           | 10,100,1000 Mbit/s  | Weight & dimensions                                |  |
| Wi-Fi *   | ✓   | Width *  | 36 mm  |
| Top Wi-Fi standard                                | Wi-Fi 6E (802.11ax)   | Depth *  | 178 mm   |
| Wi-Fi standards                                   | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) | Height *   | 182 mm   |
| WLAN controller manufacturer                      | Intel   | Packaging content                                  |  |
| WLAN controller model                             | Intel Wi-Fi 6E AX211  | Display included *                                 | ✗  |
| Antenna type                                      | 2x2   | Mouse included on selected markets                 | Dell Optical Mouse-MS116 - Black                     |
| Bluetooth   | ✓   | Keyboard included on selected markets              | Dell Multimedia Keyboard-KB216 - UK (QWERTY) - Black |
| Ports & interfaces                                |   | Cables included                                    | AC   |
| USB 2.0 ports quantity *                          | 2   | Power cable length                                 | 1.8 m  |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3   | Carbon footprint                                   |  |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1   | Total carbon footprint (kg of CO2e)                | 91   |
| PowerShare  | ✓   | Carbon emissions, manufacturing (kg of CO2e)       | 59   |
| Number of USB ports with PowerShare support       | 1   | Carbon emissions, logistics (kg of CO2e)           | 2  |
| HDMI ports quantity *                             | 1   | Carbon emissions, energy usage (kg of CO2e)        | 28   |
| HDMI version                                      | 1.4b  | Carbon emissions, end-of-life (kg of CO2e)         | 1  |
| DisplayPorts quantity                             | 1   | Total carbon emissions, w/o use phase (kg of CO2e) | 62   |
|   |   | PAIA version                                       | GaBi verison1  |



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Publication date: 25-OCT-2024. Prints or copies of Information are only valid on the printed Publication date