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

**Brand :** DELL

**Product family:** OptiPlex

**Product code:**
N011O7020MFFEMEA_VP

**Product name :** 7020

DELL OptiPlex 7020. Protsessori perekond: Intel® Core™ i5, Protsessori mudel: i5-14500T. Sisemälu: 16 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 512 GB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel UHD Graphics 770. WiFi. Installitud operatsioonisüsteem: Windows 11 Pro, Operatsioonisüsteemi arhitektuur: 64-bit. Toiteallikas: 65 W. Keretüüp: MFF. Toote tüüp: Mini PC. Toote värv: Must

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i5 |
| Processor generation | Intel® Core™ i5 (14th gen) |
| Processor model * | i5-14500T |
| Processor cores | 14 |
| Processor threads | 20 |
| Processor boost frequency | 4.8 GHz |
| Performance cores | 6 |
| Efficient cores | 8 |
| Performance-core Max Turbo Frequency | 4.8 GHz |
| Efficient-core Max Turbo Frequency | 3.4 GHz |
| Performance-core base frequency | 1.7 GHz |
| Efficient-core base frequency | 1.2 GHz |
| Processor cache | 24 MB |
| Processor cache type | Smart Cache |
| Number of processors installed | 1 |
| Processor base power | 35 W |
| Maximum turbo power | 92 W |

## Memory

| | |
|---|---|
| Internal memory * | 16 GB |
| Maximum internal memory * | 64 GB |
| Internal memory type | DDR5-SDRAM |
| Memory layout (slots x size) | 1 x 16 GB |
| Memory slots | 2x SO-DIMM |

## Storage

| | |
|---|---|
| Total storage capacity * | 512 GB |
| Storage media * | SSD |
| Optical drive type * | ✘ |
| Total SSDs capacity | 512 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 512 GB |
| SSD interface | PCI Express |
| NVMe | ✔ |
| SSD form factor | M.2 |

## Ports & interfaces

| | |
|---|---|
| DisplayPort version | 1.4a |
| Ethernet LAN (RJ-45) ports | 1 |
| Combo headphone/mic port | ✔ |
| DC-in jack | ✔ |

## Design

| | |
|---|---|
| Chassis type * | MFF |
| Placement supported | Horizontal/Vertical |
| Cable lock slot | ✔ |
| Cable lock slot type | Kensington |
| Product colour * | Black |

## Performance

| | |
|---|---|
| Market positioning | Business |
| Motherboard chipset | Intel Q670 |
| Audio chip | Realtek ALC3204 |
| Built-in speaker(s) | ✔ |
| Number of speakers | 1 |
| Password protection | ✔ |
| Trusted Platform Module (TPM) | ✔ |
| Trusted Platform Module (TPM) version | 2.0 |
| Product type * | Mini PC |

## Software

| | |
|---|---|
| Operating system installed * | Windows 11 Pro |
| Operating system architecture | 64-bit |
| Trial software | Microsoft Office Trial,McAfee Business Protection 1-year |

## Power

| | |
|---|---|
| Power supply * | 65 W |
| Power supply input voltage | 100 - 240 V |
| Power supply input frequency | 50/60 Hz |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 10 - 35 °C |
| Storage temperature (T-T) | -40 - 65 °C |
| Operating relative humidity (H-H) | 20 - 80% |

## Graphics

| | |
|---|---|
| Discrete graphics card * | ✘ |
| On-board graphics card * | ✔ |
| Discrete graphics card model * | Not available |
| On-board GPU manufacturer | Intel |
| On-board graphics card family | Intel® UHD Graphics |
| On-board graphics card model * | Intel UHD Graphics 770 |

## Network

| | |
|---|---|
| Ethernet LAN * | ✔ |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |
| Wi-Fi * | ✔ |
| Top Wi-Fi standard | Wi-Fi 6E (802.11ax) |
| Wi-Fi standards | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) |
| WLAN controller manufacturer | Intel |
| WLAN controller model | Intel Wi-Fi 6E AX211 |
| Antenna type | 2x2 |
| Bluetooth | ✔ |

## Ports & interfaces

| | |
|---|---|
| USB 2.0 ports quantity * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 |
| PowerShare | ✔ |
| Number of USB ports with PowerShare support | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 1.4b |
| DisplayPorts quantity | 1 |

## Operational conditions

| | |
|---|---|
| Storage relative humidity (H-H) | 5 - 95% |
| Operating altitude | -15.2 - 3048 m |
| Non-operating altitude | -15.2 - 10668 m |
| Operating vibration | 0.26 G |
| Non-operating vibration | 1.37 G |
| Operating shock | 40 G |
| Non-operating shock | 105 G |

## Sustainability

| | |
|---|---|
| Sustainability compliance | ✔ |
| Sustainability certificates | TCO, ENERGY STAR, EPEAT Climate + |
| Doesn't contain | PVC/BFR |

## Weight & dimensions

| | |
|---|---|
| Width * | 36 mm |
| Depth * | 178 mm |
| Height * | 182 mm |

## Packaging content

| | |
|---|---|
| Cables included | AC |

## Carbon footprint

| | |
|---|---|
| Total carbon footprint (kg of CO2e) | 91 |
| Carbon emissions, manufacturing (kg of CO2e) | 59 |
| Carbon emissions, logistics (kg of CO2e) | 2 |
| Carbon emissions, energy usage (kg of CO2e) | 28 |
| Carbon emissions, end-of-life (kg of CO2e) | 1 |
| Total carbon emissions, w/o use phase (kg of CO2e) | 62 |
| PAIA version | GaBi version 1, 2024 |

## Display

| | |
|---|---|
| Display included * | ✘ |

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