# DELL OptiPlex 7020 Intel® Core™ i5 i5-14500 8 GB DDR5-SDRAM 256 GB SSD Windows 11 Home Mini Tower PC Black

**Brand :** DELL  **Product family:** OptiPlex  **Product code:** AO7020TGCTO

**Product name :** 7020

- Windows 11 Home 64-bit
- Intel Core i5-14500 (24MB Cache)
- 8GB DDR5-SDRAM (1 x 8) & 256GB SSD
Intel Core i5-14500 (24MB Cache), 8GB DDR5-SDRAM, 256GB SSD, Intel UHD Graphics 770, LAN, Windows 11 Home 64-bit

DELL OptiPlex 7020 Intel® Core™ i5 i5-14500 8 GB DDR5-SDRAM 256 GB SSD Windows 11 Home Mini Tower PC Black:

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: i5-14500. Internal memory: 8 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770. Operating system installed: Windows 11 Home, Operating system architecture: 64-bit. Chassis type: Mini Tower. Product type: PC. Weight: 5.18 kg. Product colour: Black

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i5 |
| Processor generation | Intel® Core™ i5 (14th gen) |
| Processor model * | i5-14500 |
| Processor cores | 14 |
| Processor threads | 20 |
| Processor boost frequency | 5 GHz |
| Performance cores | 6 |
| Efficient cores | 8 |
| Performance-core Max Turbo Frequency | 5 GHz |
| Efficient-core Max Turbo Frequency | 3.7 GHz |
| Performance-core base frequency | 2.6 GHz |
| Efficient-core base frequency | 1.9 GHz |
| Processor cache | 24 MB |
| Processor cache type | Smart Cache |
| Number of processors installed | 1 |
| Processor base power | 65 W |
| Maximum turbo power | 154 W |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Maximum internal memory * | 64 GB |
| Internal memory type | DDR5-SDRAM |
| Memory layout (slots x size) | 1 x 8 GB |
| Memory slots | 2x DIMM |
| Non-ECC | ✔ |

## Storage

| | |
|---|---|
| Total storage capacity * | 256 GB |

## Ports & interfaces

| | |
|---|---|
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 1.4b |
| DisplayPorts quantity | 1 |
| DisplayPort version | 1.4a |
| Ethernet LAN (RJ-45) ports | 1 |
| Combo headphone/mic port | ✔ |

## Design

| | |
|---|---|
| Chassis type * | Mini Tower |
| 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-CG |
| Built-in speaker(s) | ✔ |
| Number of speakers | 1 |
| Password protection | ✔ |
| Trusted Platform Module (TPM) | ✔ |
| Product type * | PC |
| Trusted Platform Module (TPM) version | 2.0 |

## Storage

| | |
|---|---|
| Storage media * | SSD |
| Optical drive type * | ✘ |
| Number of storage drives installed | 1 |
| Total SSDs capacity | 256 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 256 GB |
| SSD interface | PCI Express |
| NVMe | ✔ |
| SSD form factor | M.2 |
| SSD performance class | 35 |

## 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 |
| LAN controller | Intel® I219-LM |
| Wi-Fi * | ✘ |

## Ports & interfaces

| | |
|---|---|
| USB 2.0 ports quantity * | 4 |

## Software

| | |
|---|---|
| Operating system architecture | 64-bit |
| Operating system installed * | Windows 11 Home |

## Power

| | |
|---|---|
| Power supply input voltage | 90 - 264 V |
| Power supply input frequency | 47/63 Hz |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 10 - 35 °C |
| Storage temperature (T-T) | -40 - 65 °C |
| Operating relative humidity (H-H) | 20 - 80% |
| 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 | ENERGY STAR, EPEAT Climate +, TCO |

## Weight & dimensions

| | |
|---|---|
| Width * | 154 mm |
| Depth * | 292.2 mm |
| Height * | 324.3 mm |
| Weight * | 5.18 kg |

## Packaging content

| | |
|---|---|
| Mouse included | ✔ |
| Keyboard included | ✔ |

## Display

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

**Catalog Object Cloud**