



## DELL OptiPlex 7020 Intel® Core™ i3 i3-12100 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro SFF PC Must

Brand : DELL

Product family: OptiPlex

Product code:  
N11907020SFFEMEA\_N2\_VP

Product name : 7020

DELL OptiPlex 7020. Protsessori perekond: Intel® Core™ i3, Protsessori mudel: i3-12100. Sisemälu: 8 GB, Sisemälu tüüp: DDR5-SDRAM. Salvestusmaht kokku: 512 GB, Salvestusseade: SSD. Pardagraafika adapteri mudel: Intel UHD Graphics 730. Installitud operatsioonisüsteem: Windows 11 Pro, Operatsioonisüsteemi arhitektuur: 64-bit. Toiteallikas: 180 W. Keretüüp: SFF. Toote tüüp: PC. Toote värv: Must



| Processor                            |                          | Expansion slots                       |   |
|--------------------------------------|--------------------------|---------------------------------------|---|
| Processor manufacturer *             | Intel                    | PCI Express x1 (Gen 3.x) slots        | 1   |
| Processor family *                   | Intel® Core™ i3          | PCI Express x16 (Gen 3.x) slots       | 1   |
| Processor generation                 | 12th gen Intel® Core™ i3 | <b>Design</b>                         |   |
| Processor model *                    | i3-12100                 | Chassis type *                        | SFF   |
| Processor cores                      | 4                        | Placement supported                   | Vertical  |
| Processor threads                    | 8                        | Cable lock slot                       | ✓   |
| Processor boost frequency            | 4.3 GHz                  | Cable lock slot type                  | Kensington  |
| Performance cores                    | 4                        | Product colour *                      | Black   |
| Performance-core Max Turbo Frequency | 4.3 GHz                  | <b>Performance</b>                    |   |
| Performance-core base frequency      | 3.3 GHz                  | Motherboard chipset                   | Intel Q670  |
| Processor cache                      | 12 MB                    | Audio chip                            | Realtek ALC3204-CG  |
| Processor cache type                 | Smart Cache              | Audio system                          | High Definition Audio                                     |
| Number of processors installed       | 1                        | Trusted Platform Module (TPM)         | ✓   |
| Processor base power                 | 60 W                     | Trusted Platform Module (TPM) version | 2.0   |
| Maximum turbo power                  | 89 W                     | Product type *                        | PC  |
| <b>Memory</b>                        |                          | <b>Software</b>                       |   |
| Internal memory *                    | 8 GB                     | Operating system installed *          | Windows 11 Pro  |
| Maximum internal memory *            | 64 GB                    | Operating system architecture         | 64-bit  |
| Internal memory type                 | DDR5-SDRAM               | Trial software                        | Microsoft Office Trial, McAfee Business Protection 1-year |
| Memory layout (slots x size)         | 1 x 8 GB                 | <b>Power</b>                          |   |
| Memory slots                         | 2x DIMM                  | Power supply *                        | 180 W   |
| <b>Storage</b>                       |                          | Power supply input voltage            | 90 - 264 V  |
| Total storage capacity *             | 512 GB                   | Power supply input frequency          | 47/63 Hz  |
| Storage media *                      | SSD                      | 80 PLUS certification                 | 80 PLUS Bronze  |
| Optical drive type *                 | ✗                        |                                       |   |
| Number of storage drives installed   | 1                        |                                       |   |
| Total SSDs capacity                  | 512 GB                   |                                       |   |

| Storage   |                        | Operational conditions                             |                      |
|---|------------------------|--|----------------------|
| Number of SSDs installed                          | 1                      | Operating temperature (T-T)                        | 10 - 35 °C           |
| SSD capacity                                      | 512 GB                 | Storage temperature (T-T)                          | -40 - 65 °C          |
| SSD interface                                     | PCI Express            | Operating relative humidity (H-H)                  | 20 - 80%             |
| NVMe  | ✓                      | Storage relative humidity (H-H)                    | 5 - 95%              |
| SSD form factor                                   | M.2                    | Operating altitude                                 | -15.2 - 3048 m       |
| Graphics  |                        | Non-operating altitude                             | -15.2 - 10668 m      |
| Discrete graphics card *                          | ✗                      | Operating vibration                                | 0.26 G               |
| On-board graphics card *                          | ✓                      | Non-operating vibration                            | 1.37 G               |
| Discrete graphics card model *                    | Not available          | Non-operating shock                                | 105 G                |
| On-board GPU manufacturer                         | Intel                  | Weight & dimensions                                |                      |
| On-board graphics card family                     | Intel® UHD Graphics    | Width *  | 92.6 mm              |
| On-board graphics card model *                    | Intel UHD Graphics 730 | Depth *  | 292.8 mm             |
| Network   |                        | Height *   | 290 mm               |
| Ethernet LAN *                                    | ✓                      | Packaging content                                  |                      |
| Ethernet LAN data rates                           | 10,100,1000 Mbit/s     | Display included *                                 | ✗                    |
| Cabling technology                                | 10/100/1000Base-T(X)   | Carbon footprint                                   |                      |
| Wi-Fi *   | ✗                      | Total carbon footprint (kg of CO2e)                | 160                  |
| Ports & interfaces                                |                        | Carbon emissions, manufacturing (kg of CO2e)       | 80                   |
| USB 2.0 ports quantity *                          | 4                      | Carbon emissions, logistics (kg of CO2e)           | 11                   |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3                      | Carbon emissions, energy usage (kg of CO2e)        | 64                   |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1                      | Carbon emissions, end-of-life (kg of CO2e)         | 4                    |
| HDMI ports quantity *                             | 1                      | Total carbon emissions, w/o use phase (kg of CO2e) | 96                   |
| HDMI version                                      | 1.4b                   | PAIA version                                       | GaBi version 1, 2024 |
| DisplayPorts quantity                             | 1                      |  |                      |
| DisplayPort version                               | 1.4a                   |  |                      |
| Combo headphone/mic port                          | ✓                      |  |                      |
| Number of SATA III connectors                     | 1                      |  |                      |

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