# DELL OptiPlex 7770 Intel® Core™ i7 i7-9700 68.6 cm (27") 1920 x 1080 pixels Touchscreen All-in-One PC 8 GB DDR4-SDRAM 256 GB SSD Windows 10 Pro Wi-Fi 5 (802.11ac) Black, Silver

**Brand :** DELL            **Product family:** OptiPlex            **Product code:** JV7R7
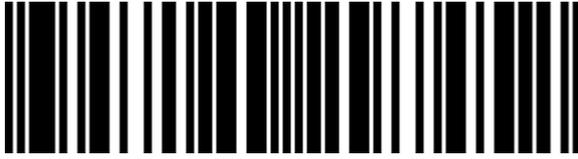
**Product name :** 7770

DELL OptiPlex 7770. Product type: All-in-One PC. Display diagonal: 68.6 cm (27"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen, Screen shape: Flat. Processor family: Intel® Core™ i7, Processor frequency: 3 GHz. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Built-in camera. Operating system installed: Windows 10 Pro. Product colour: Black, Silver





| Display | |
|---|---|
| Display diagonal * | 68.6 cm (27") |
| Display resolution * | 1920 x 1080 pixels |
| Touchscreen * | ✔ |
| HD type * | Full HD |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |
| Display brightness | 200 cd/m² |
| Panel type | IPS |
| Pixel pitch | 0.3114 x 0.3114 mm |
| Screen shape | Flat |
| Display number of colours | 16.78 million colours |

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i7 |
| Processor generation | 9th gen Intel® Core™ i7 |
| Processor model * | i7-9700 |
| Processor cores | 8 |
| Processor threads | 8 |
| Processor boost frequency | 4.7 GHz |
| Processor frequency * | 3 GHz |
| Processor cache | 12 MB |
| Processor cache type | Smart Cache |
| System bus rate | 8 GT/s |
| Thermal Design Power (TDP) | 65 W |
| PCI Express slots version | 3.0 |
| Processor socket | LGA 1151 (Socket H4) |
| Processor lithography | 14 nm |
| Processor operating modes | 64-bit |

| Ports & interfaces | |
|---|---|
| Ethernet LAN (RJ-45) ports | 1 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 |
| HDMI ports quantity * | 1 |
| HDMI output ports quantity | 1 |
| DisplayPorts quantity | 1 |
| Microphone in | ✘ |
| Combo headphone/mic port | ✔ |
| Audio output | ✔ |
| PowerShare | ✔ |
| Number of USB ports with PowerShare support | 1 |

| Design | |
|---|---|
| Product colour * | Black, Silver |
| Cable lock slot | ✔ |
| On/off button | ✔ |

| Performance | |
|---|---|
| Product type * | All-in-One PC |
| Placement supported | Horizontal |

| Software | |
|---|---|
| Operating system architecture | 64-bit |
| Operating system installed * | Windows 10 Pro |
| Operating system language | Multilingual |
| Trial software | Microsoft Office |

## Processor

| | |
|---|---|
| Processor codename | Coffee Lake |
| Maximum number of PCI Express lanes | 16 |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 |
| Tjunction | 100 °C |
| Maximum internal memory supported by processor | 128 GB |
| Memory types supported by processor | DDR4-SDRAM |
| Memory clock speeds supported by processor | 2666 MHz |
| Memory bandwidth supported by processor (max) | 41.6 GB/s |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR4-SDRAM |
| Maximum internal memory * | 32 GB |
| Memory slots | 2 |
| Memory slots type | SO-DIMM |
| Memory clock speed | 2666 MHz |
| Memory layout (slots x size) | 1 x 8 GB |
| Memory form factor | DIMM/SO-DIMM |

## Storage

| | |
|---|---|
| Total storage capacity * | 256 GB |
| Storage media * | SSD |
| Number of storage drives installed | 1 |
| Total SSDs capacity | 256 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 256 GB |
| SSD form factor | M.2 |
| Optical drive type * | ✗ |
| Card reader integrated | ✔ |
| Compatible memory cards | SD |

## Graphics

| | |
|---|---|
| Discrete graphics card * | ✗ |
| Discrete graphics card model * | Not available |
| On-board graphics card * | ✔ |
| On-board graphics card model * | Intel® UHD Graphics 630 |
| On-board graphics card base frequency | 350 MHz |
| On-board graphics card dynamic frequency (max) | 1200 MHz |
| Maximum on-board graphics card memory | 64 GB |
| Number of displays supported (on-board graphics) | 3 |
| On-board graphics card DirectX version | 12.0 |
| On-board graphics card OpenGL version | 4.5 |
| On-board graphics card ID | 0x3E98 |

## Audio

| | |
|---|---|
| Built-in speaker(s) * | ✔ |
| Number of speakers | 2 |
| RMS rated power | 6 W |
| Built-in microphone | ✔ |
| Audio chip | Realtek ALC3289 |
| Audio system | Waves MaxxAudio Pro |

## Camera

| | |
|---|---|
| Built-in camera * | ✔ |

## Processor special features

| | |
|---|---|
| Intel® Turbo Boost Technology | 2.0 |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✗ |
| Intel® Identity Protection Technology (Intel® IPT) | ✔ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Quick Sync Video Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✔ |
| Intel Clear Video Technology | ✔ |
| Intel® InTru™ 3D Technology | ✔ |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |
| Intel Trusted Execution Technology | ✔ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✔ |
| Intel Stable Image Platform Program (SIPP) | ✔ |
| Intel® OS Guard | ✔ |
| Intel Software Guard Extensions (Intel SGX) | ✔ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |
| Thermal Monitoring Technologies | ✔ |
| Processor package size | 37.5 x 37.5 mm |
| Supported instruction sets | SSE4.1, SSE4.2, AVX 2.0 |
| Scalability | 1S |
| CPU configuration (max) | 1 |
| Embedded options available | ✗ |
| Thermal solution specification | PCG 2015C |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Virtualization Technology (VT-x) | ✔ |
| Processor ARK ID | 191792 |

## Power

| | |
|---|---|
| AC adapter frequency | 47/63 Hz |
| AC adapter input voltage | 100 - 240 V |

## Pen

| | |
|---|---|
| Pen included | ✗ |

## Weight & dimensions

| | |
|---|---|
| Width (with stand) | 614 mm |
| Depth (with stand) | 254.8 mm |
| Weight (with stand) | 11.8 kg |
| Width (without stand) | 614 mm |
| Depth (without stand) | 57.7 mm |
| Height (without stand) | 389 mm |
| Weight (without stand) | 8.63 kg |
| Package width | 918 mm |
| Package depth | 216 mm |
| Package height | 558 mm |
| Package weight | 15.5 kg |

## Packaging content

| | |
|---|---|
| Mouse included on selected markets only | ✔ |

## Camera

| | |
|---|---|
| Total megapixels | 2 MP |
| Camera signal format | 1080p |
| Camera HD type | Full HD |
| Privacy camera | ✔ |
| Privacy type | Pop-up |

## Network

| | |
|---|---|
| Wi-Fi * | ✔ |
| Top Wi-Fi standard * | Wi-Fi 5 (802.11ac) |
| Wi-Fi standards | Wi-Fi 5 (802.11ac) |
| WLAN controller model | Intel Dual Band Wireless-AC 9560 |
| Antenna type | 2x2 |
| Ethernet LAN * | ✔ |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |
| Bluetooth * | ✔ |

## Packaging content

| | |
|---|---|
| Keyboard included on selected markets only | ✔ |
| Power cord included | ✔ |
| Manual | ✔ |

## Other features

| | |
|---|---|
| 3D | ✘ |
| Autonomy mode | ✘ |
| Detachable display | ✘ |
| Stand type | Height adjustable stand |

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