FASTER USER EXPERIENCES
Optimize the performance of your top 5 apps with the built-in artificial intelligence of Dell Optimizer Express Response. New ExpressConnect automatically joins the strongest access point and directs bandwidth to critical applications. Available with dual M.2 SSD option and USB Type-C 3.2 Gen 2x2 (20Gbps) provides 2x faster transfer speeds than previous generation. Experience speedier multitasking, powerful data analytics and strong connectivity with integrated Intel® Wi-Fi 6 (WiFi 802.11ax).

IMMERSIVE PRODUCTIVITY
Experience better visuals for 3D rendering and 4K monitor use, even with the micro which supports discrete graphics. The new tower is optimized for commercial virtual reality experiences. Designed to support high-end, ready for VR, 220W-class graphics cards, including NVIDIA® GeForce® RTX 3070, the tower can tackle graphic intensive workloads easily.

POWER THROUGH YOUR WORKDAY
Built with up to 11th gen Intel® Core™ i9 processors, experience the most powerful OptiPlex yet. The OptiPlex 7090 tower features a 125W CPU and up to 128GB 3200MHz DDR4 RAM to deliver uncompromising performance.

BUILT SMART
Built with up to 11th gen Intel® Core™ i9 processors, experience the most powerful OptiPlex yet. The OptiPlex 7090 tower features a 125W CPU and up to 128GB 3200MHz DDR4 RAM to deliver uncompromising performance.
Recommended Accessories

**OPTIPLEX 7090 TOWER, SMALL FORM FACTOR AND MICRO**

### CUSTOM STANDS AND MOUNTS

**OPTIPLEX MICRO ALL-IN-ONE STAND**
Small footprint mounting solution adapts to your environment, with cable management and monitor height adjustability, tilt, swivel and pivot functions.

**OPTIPLEX MICRO ALL-IN-ONE MOUNT FOR DELL E SERIES MONITORS**
This mount allows the Micro to be VESA mounted to select Dell E Series displays.

**OPTIPLEX MICRO DUAL VESA MOUNT WITH ADAPTER BRACKET**
Mount your system between two VESA compatible devices. Includes an adapter box to securely house the system’s power adapter.

**OPTIPLEX MICRO DVD+-RW ENCLOSURE**
Mount your system on a wall or under a surface with a VESA-compatible DVD+-RW enclosure with full optical drive access. Includes an adapter box to securely house the system’s power adapter.

**OPTIPLEX MICRO VESA MOUNT WITH ADAPTER BRACKET**
Mount your system on a wall or under a desk. Includes an adapter box to securely house the system’s power adapter.

**DELL SINGLE MONITOR ARM | MSA20**
Minimize your footprint with this arm that offers easy installation and enhanced adjustability while keeping cables neatly hidden from view.

### PURPOSE-BUILT SOLUTIONS

**DELL 27 MONITOR | P2720D**
See more and do more with a 27” QHD monitor that expands your workspace and gives you a better view of all your important tasks.

**DELL ULTRASHARP 24 MONITOR | U2422H**
Take your work to new heights with this 23.8-inch FHD monitor with a wide color coverage. Features ComfortView Plus an always-on built-in low blue light screen, fast connectivity and transfer speeds.

**DELL PROFESSIONAL SOUND BAR | AE515M**
Optimize conference calls and multimedia streaming with exceptional audio clarity. Minimize background noise while on calls with the dual mic array and echo cancellation feature.

**DELL PREMIER MULTI-DEVICE WIRELESS KEYBOARD AND MOUSE | KM7321W**
Multi-task seamlessly across 3 devices with this premium full size keyboard and sculpted mouse combo with programmable shortcuts and 36 months battery life.

**DELL WIRED MOUSE WITH FINGERPRINT READER | MS819**
Wired mouse with fingerprint reader offers convenient and secure login and online access without passwords.

**DELL PRO WIRED HEADSET | WH3022**
Experience exceptional audio clarity with this Teams certified wired headset that allows you to wear the microphone on either side for a customized fit.

**OPTIPLEX CABLE COVERS**
Thermally tested custom cable covers offer an easy to install and attractive way to manage cables and secure ports.

**OPTIPLEX DUST FILTERS**
Custom dust filters safeguard internal components in factory, warehouse, or retail environments.
Workforce Modernization

It’s more than a concept; it’s our approach to modernizing your workforce. Our products, solutions and services support your IT team and help your employees work from home, the office, or a combination of both — simplifying and streamlining their work-life even if they’re always on the move.

Dell Software & Services Solutions

**END USER DEVICES**
Provide the right device with the right software for any setting to give employees satisfaction and business perspective.

**DEPLOY**
Quickly get employees to work and save valuable IT time by provisioning applications at the factory and shipping ready-to-use devices directly to employees wherever they work.

**SUPPORT**
Automatically detect and proactively prevent issues through predictive analytics. Use our AI-driven insights to resolve issues remotely or leave time-consuming support issues in our hands with 24x7 access to our hardware and software experts.

**MANAGE**
Take advantage of the console of your choice to set up, configure, monitor and update your entire endpoint fleet. Securely deliver and manage applications from the cloud, giving users smooth access to any device, including from other vendors.

**SECURE**
Use intelligent solutions that secure endpoints from both above and below the OS. Prevent, detect and remediate attacks. Detect outside attacks that have altered the BIOS. Encrypt sensitive data on devices and in the cloud. Protect credentials with built-in hardware.

**aaS**
You can enjoy modernization through different consumption models: Traditional cash purchase outright or as fixed monthly plan with no upfront investment.

---

1. Source: ESG Remote Work Report, 2020
2. Source: Dell User Group Pulse Survey March 2020
# OptiPlex 7090 Technical Specifications

## Feature

### OptiPlex 7090 Technical Specifications

### Tower:

<table>
<thead>
<tr>
<th>Feature</th>
<th>OptiPlex 7090 Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processors</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10400, 12MB Cache, 6 Core, 12 Treads, 2.9GHz to 4.3GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10500, 12MB Cache, 6 Core, 12 Treads, 3.1GHz to 4.5GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10600, 12MB Cache, 6 Core, 12 Treads, 3.3GHz to 4.8GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-10700, 16MB Cache, 8 Core, 16 Treads, 2.9GHz to 4.8GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-10700, 16MB Cache, 8 Core, 16 Treads, 1.5GHz to 3.8GHz, 35W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i3-10105, 6 MB Cache, 4 Core, 8 Threads, 3.7 GHz to 4.4 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i3-10305, 8 MB Cache, 4 Core, 8 Threads, 3.8 GHz to 4.5 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10505, 12 MB Cache, 6 Core, 12 Treads, 3.2 GHz to 4.6 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11400, 12 MB Cache, 6 Core, 12 Treads, 2.6 GHz to 4.4 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11500, 12 MB Cache, 6 Core, 12 Treads, 2.7 GHz to 4.6 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-11700, 16 MB Cache, 8 Core, 16 Treads, 2.5 GHz to 4.9 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i9-11900, 16 MB Cache, 8 Core, 16 Treads, 2.5 GHz to 5.2 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-11700K, 16 MB Cache, 8 Core, 16 Treads, 3.6 GHz to 5.0 GHz, 125 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i9-11900K, 16 MB Cache, 8 Core, 16 Treads, 3.5 GHz to 5.3 GHz, 125 W</td>
<td></td>
</tr>
</tbody>
</table>

### Small Form Factor:

<table>
<thead>
<tr>
<th>Feature</th>
<th>OptiPlex 7090 Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processors</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10400, 12MB Cache, 6 Core, 12 Treads, 2.9GHz to 4.3GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10500, 12MB Cache, 6 Core, 12 Treads, 3.1GHz to 4.5GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10600, 12MB Cache, 6 Core, 12 Treads, 3.3GHz to 4.8GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-10700, 16MB Cache, 8 Core, 16 Treads, 2.9GHz to 4.8GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10105, 20MB Cache, 10 Core, 20 Treads, 2.8GHz to 5.2GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10305, 8 MB Cache, 4 Core, 8 Threads, 3.7 GHz to 4.4 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10505, 12 MB Cache, 6 Core, 12 Treads, 3.2 GHz to 4.6 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11400, 12 MB Cache, 6 Core, 12 Treads, 2.6 GHz to 4.4 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11500, 12 MB Cache, 6 Core, 12 Treads, 2.7 GHz to 4.6 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-11700, 16 MB Cache, 8 Core, 16 Treads, 2.5 GHz to 4.9 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i9-11900, 16 MB Cache, 8 Core, 16 Treads, 2.5 GHz to 5.2 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-11700K, 16 MB Cache, 8 Core, 16 Treads, 3.6 GHz to 5.0 GHz, 125 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i9-11900K, 16 MB Cache, 8 Core, 16 Treads, 3.5 GHz to 5.3 GHz, 125 W</td>
<td></td>
</tr>
</tbody>
</table>

### Micro:

<table>
<thead>
<tr>
<th>Feature</th>
<th>OptiPlex 7090 Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processors</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10400T, 12MB Cache, 6 Core, 12 Treads, 2.0GHz to 3.6GHz, 35W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10500T, 12MB Cache, 6 Core, 12 Treads, 2.3GHz to 3.8GHz, 35W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10600T, 12MB Cache, 6 Core, 12 Treads, 2.4GHz to 4.0GHz, 35W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10600, 12MB Cache, 6 Core, 12 Treads, 3.3GHz to 4.8GHz, 65W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-10700, 16MB Cache, 8 Core, 16 Treads, 2.0GHz to 4.5GHz, 35W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10105T, 6 MB Cache, 4 Core, 8 Threads, 3.0 GHz to 3.9 GHz, 35 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10305T, 8 MB Cache, 4 Core, 8 Threads, 3.7 GHz to 4.4 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-10505T, 12 MB Cache, 6 Core, 12 Treads, 3.2 GHz to 4.6 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11400T, 12 MB Cache, 6 Core, 12 Treads, 1.3 GHz to 3.7 GHz, 35 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11500T, 12 MB Cache, 6 Core, 12 Treads, 2.6 GHz to 4.4 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-11700T, 12 MB Cache, 6 Core, 12 Treads, 1.5 GHz to 3.9 GHz, 35 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11500T, 12 MB Cache, 6 Core, 12 Treads, 2.7 GHz to 4.6 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i5-11600T, 12 MB Cache, 6 Core, 12 Treads, 1.7 GHz to 4.1 GHz, 35 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i7-11700T, 16 MB Cache, 8 Core, 16 Treads, 2.8 GHz to 4.8 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i9-11900T, 16 MB Cache, 8 Core, 16 Treads, 2.3 GHz to 4.9 GHz, 65 W</td>
<td></td>
</tr>
<tr>
<td>10th Generation Intel® Core™ i9-11900T, 16 MB Cache, 8 Core, 16 Tread</td>
<td></td>
</tr>
</tbody>
</table>

### Chipset

- Intel® Q570 Chipset

### Operating System

- Windows 10 Home, 64-bit
- Windows 10 IoT Enterprise 2019 LTSB (OEM only)
- Windows 10 Pro, 64-bit
- Windows 10 Pro Education, 64-bit
- Kylin Linux Desktop version 10.1 (China only)
- Ubuntu Linux® 20.04 LTS, 64-bit
- Windows 10 CMIT Government Edition 64-bit (China only)
## Features & Technical Specifications

### OptiPlex 7090 Technical Specifications

#### Feature

- **Video Card**

  **Tower:**
  - Intel® UHD 630 Graphics for 10th Generation Intel® Core™ i3/i5/i7/i9 processors
  - Intel® UHD 730 Graphics for 11th Generation Intel® Core™ i5-11400 processors
  - Intel® UHD 750 Graphics for 11th Generation Intel® Core™ i5-11700 processors
  - NVIDIA® GeForce® RTX 3070, 8 GB, GDDR6 (optional)
  - NVIDIA® GeForce® RTX 1660, Super™, 8 GB, GDDR6 (optional)
  - AMD Radeon™ RX640, 4 GB, GDDR5 (optional)
  - AMD Radeon™ 560, 1 GB, GDDR5 (optional)
  - AMD Radeon™ 550, 2 GB, GDDR5 (optional)
  - AMD Radeon™ 540, 1 GB, GDDR5 (optional)
  - NVIDIA GeForce GTX 1660 Super™, 6 GB, GDDR6 (optional)

  **Small Form Factor:**
  - Intel® UHD Graphics 630 for 10th Generation Intel® Core™ i3/i5/i7/i9 processors
  - Intel® UHD Graphics 730 for 11th Generation Intel® Core™ i5-11400 processor
  - Intel® UHD Graphics 750 for 11th Generation Intel® Core™ i5-11700 processor
  - AMD Radeon™ RX640, 4 GB, GDDR5 (optional)
  - AMD Radeon™ 560, 1 GB, GDDR5 (optional)
  - AMD Radeon™ 550, 2 GB, GDDR5 (optional)
  - AMD Radeon™ 540, 1 GB, GDDR5 (optional)

- **Micro (Integrated):**
  - Intel® UHD Graphics 630 with 10th Generation Intel® Core™ i3/i5/i7/i9 processors
  - Intel® UHD Graphics 730/750 with 11th Generation Intel® Core™ i5-11700 processors

- **Discrete:**
  - AMD Radeon™ RX640, 4 GB, GDDR5

#### Tower, Small Form Factor:

- 4 GB, 1 x 4 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 8 GB, 1 x 8 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 8 GB, 2 x 4 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 16 GB, 1 x 16 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 16 GB, 2 x 8 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 32 GB, 1 x 32 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 32 GB, 2 x 16 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 64 GB, 2 x 32 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 64 GB, 4 x 16 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
- 128 GB, 4 x 32 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9 and 11th Generation Intel® Core i5/i7/i9 processors

**Note:** Memory speed varies by different type of DPC (DIMM per Channel) installation.

- **Micro:**
  - 4 GB, 1 x 4 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 8 GB, 1 x 8 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 8 GB, 2 x 4 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 16 GB, 1 x 16 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 16 GB, 2 x 8 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 32 GB, 1 x 32 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 32 GB, 2 x 16 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 64 GB, 2 x 32 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
  - 64 GB, 4 x 16 GB, DDR4, 2666 MHz for 10th Generation Intel® Core i5, 2933 MHz for 10th Generation Intel® Core i7/i9, 3200 MHz for 11th Generation Intel® Core i5/i7/i9 processors
## Features & Technical Specifications

### OPTIPLEX 7090 TOWER, SMALL FORM FACTOR AND MICRO

<table>
<thead>
<tr>
<th>Feature</th>
<th>OptiPlex 7090 Technical Specifications</th>
</tr>
</thead>
</table>
| **Wireless** | Qualcomm QCA61x4A, 2x2, MIMO, 867 Mbps, 2.40 Ghz/5 GHz, Wi-Fi 5 (WiFi 802.11ac), Bluetooth 5.0  
Qualcomm QCA9377, 1x1, 433 Mbps, 2.40 Ghz/5 GHz, Wi-Fi 5 (WiFi 802.11ac), Bluetooth 5.0  
Intel® AX201, 2x2 MIMO, 2.40 Gbps, 2.40 Ghz/5 GHz, Wi-Fi 6 (WiFi 802.11ax), Bluetooth 5.1 |
| **Ports** | **Tower:**  
**Front:**  
1 USB 2.0 port with PowerShare  
1 USB 3.2 Gen 2 Type-A port  
1 USB 3.2 Gen 2 Type-C port (Gen 2x1 Type-C when configured with 10th Generation Intel processors)  
1 USB 2.0 port  
1 Universal Audio Jack  
**Rear:**  
1 USB 3.2 Gen 2 Type-A port  
2 USB 2.0 ports with Smart Power On  
3 USB 3.2 Gen 1 Type-A ports  
1 USB 3.2 Gen 2 Type-C® Alt-Mode (optional)  
**Tower: Rear:**  
1 RJ45 Ethernet port  
1 re-tasking Line out/Line in audio port  
2 DisplayPort 1.4 ports  
1 VGA Port/DisplayPort 1.4 Port/HDMI 2.0b Port/ USB 3.2 Gen2 Type-C® Port with Alt-mode (optional)  
1 Serial  
2 PS/2 ports  
**Small Form Factor:**  
**Front:**  
1 USB 2.0 ports with PowerShare  
1 USB 2.0 ports  
1 USB 3.2 Gen 2 Type-A port  
1 USB 3.2 Gen 2 Type-C port (Gen 2x1 Type-C when configured with 10th Generation Intel processors)  
1 universal audio port  
**Rear:**  
3 USB 3.2 Gen 1 Type-A port  
1 USB 3.2 Gen 2 Type-A port  
2 USB 2.0 port with SmartPower On  
2 PS/2 port  
1 serial port  
2 DisplayPort 1.4 ports  
1 Re-tasking Line-out/Line-in audio port  
1 RJ45 Ethernet port  
**Optional Modules:**  
1 VGA port  
1 HDMI 2.0b port  
1 DisplayPort 1.4 port  
1 USB 3.2 Gen 2 type-C port with DisplayPort Alt Mode/Power delivery  
**Micro Integrated:**  
**Front**  
1 Universal audio jack  
1 re-tasking Line-in/Line out audio port  
1 USB 3.2 Gen 2x2 Type-C port (Gen 2x1 Type-C when configured with 10th Generation Intel Processors)  
1 USB 3.2 Gen 2 Type-A port with PowerShare  
**Rear**  
1 RJ45 Ethernet port  
1 Serial/Video port with Serial port/PS2 port/VGA port/DisplayPort 1.4 port/HDMI 2.0 Port/USB 3.2 Gen2 Type-C® Port with DP Alt-mode (optional)  
1 USB 3.2 Gen 1 Type-A port  
1 USB 3.2 Gen 1 Type-A port with Smart Power on  
2 USB 3.2 Gen 2 Type-A ports  
2 DisplayPort 1.4 ports  
**Micro Discrete:**  
**Rear**  
1 RJ45 Ethernet port  
2 Mini DisplayPort 1.4 ports  
1 DisplayPort 1.4 Type-A port  
1 USB 3.2 Gen 1 Type-A port with Smart Power on  
2 USB 3.2 Gen 2 Type-A ports  
2 DisplayPort 1.4 ports |
OptiPlex 7090 Technical Specifications

Ports
Front
- 1 Universal audio jack
- 1 re-tasking Line-in/Line out audio port
- 1 USB 3.2 Gen 2x2 Type-C® port
- 1 USB 3.2 Gen 2 Type-A port with PowerShare

Optical Drive
Tower:
- 8x DVD-ROM
- 8x DVD+/-RW

Small Form Factor:
- 8x DVD+/-RW (Optional)

Slots
Tower:
- 1 SD-card slot (optional)
- 1 full-height Gen 4 PCIe x16 slot
- 1 full-height PCIe x16 (wired x4) slot
- 1 full-height PCI-32 slot
- 1 full-height PCIe x1 slot
- 1 M.2 2230 slot for Wi-Fi and Bluetooth card
- 1 M.2 2230/2280 slot for SSD/Intel Optane
- 1 M.2 2280 slot for SSD/Intel Optane
- 4 SATA slots for 2.5-inch HDD/SSD, and slim Optical Drive

Small Form Factor:
- 1 half-height Gen 4 PCIe x16 slot
- 1 half-height Gen 3 PCIe x4 slot
- 1 M.2 2230 slot for WiFi and Bluetooth card
- 1 M.2 2230/2280 slot for solid-state drive/Intel Optane
- 1 M.2 2280 slot for solid-state drive/Intel Optane
- 3 SATA 3.0 slot for 3.5/2.5-inch hard drive, slim optical drive
- 1 SD 4.0 card slot

Micro:
- 1 M.2 2230 slot for Wi-Fi and Bluetooth card
- 1 M.2 2230/2280 slot for SSD/Intel Optane
- 1 M.2 2280 slot for SSD/Intel Optane
- 1 SATA slot for 2.5-inch hard drive
- 1 Kensington cable-lock slot

Note: The DGFX SKU does not support SATA slot.

Primary Hard Drive
Tower:
- 2.5-inch, 1 TB, 5400 RPM, SATA, HDD
- 2.5-inch, 2 TB, 5400 RPM, SATA, HDD
- 2.5-inch, 500 GB, 7200 RPM, SATA, HDD
- 2.5-inch, 1 TB, 7200 RPM, SATA, HDD
- 2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS
- 3.5-inch, 500 GB, 7200 RPM, SATA, HDD
- 3.5-inch, 1 TB, 7200 RPM, SATA, HDD
- 3.5-inch, 2 TB, 7200 RPM, SATA, HDD
- 3.5-inch, 4 TB, 5400 RPM, SATA, HDD
- M.2 2230, 128 GB, PCIe NVMe Gen3 x4, Class 35 SSD
- M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD
- M.2 2230, 512 GB, PCIe NVMe Gen3 x4, Class 35 SSD
- M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD
- M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD
- M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD
- M.2 2280, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD
- M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive
- M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive
- M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

Small Form Factor:
- 2.5-inch, 1 TB, 5400 RPM, SATA, HDD
- 2.5-inch, 2 TB, 5400 RPM, SATA, HDD
- 2.5-inch, 500 GB, 7200 RPM, SATA, HDD
- 2.5-inch, 1 TB, 7400 RPM, SATA, HDD
- 2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS
- 3.5-inch, 500 GB, 7200 RPM, SATA, HDD
- 3.5-inch, 1 TB, 7200 RPM, SATA, HDD
- 3.5-inch, 2 TB, 7200 RPM, SATA, HDD
- 3.5-inch, 4 TB, 5400 RPM, SATA, HDD
## Features & Technical Specifications

**OPTIPLEX 7090 TOWER, SMALL FORM FACTOR AND MICRO**

<table>
<thead>
<tr>
<th>Feature</th>
<th>OptiPlex 7090 Technical Specifications</th>
</tr>
</thead>
</table>
| **Primary Hard Drive**<sup>1,5</sup> | M.2 2230, 128 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2230, 512 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
Micro:  
2.5-inch, 1TB, 5400 RPM, SATA, HDD  
2.5-inch, 2 TB, 5400 RPM, SATA, HDD  
2.5-inch, 500 GB, 7200 RPM, SATA, HDD  
2.5-inch, 1 TB, 7200 RPM, SATA, HDD  |
| **Primary Hard Drive**<sup>1,5</sup> | M.2 2230, 128 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2230, 512 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
Micro:  
2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS  
M.2 2230, 128 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2230, 512 GB, PCIe NVMe Gen3 x4, Class 35 SSD  
M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD  
M.2 2280, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD  
M.2 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  
M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive  |
| **Productivity Software**<sup>1</sup> | Tower, Small Form Factor and Micro:  
Microsoft Office 30 Day Trial  
Microsoft Office Home and Business 2019  
Microsoft Office Professional 2019  
Dell Hybrid Client 1.5 (optional)  
Dell Optimizer  
Intel Unite® solution (optional) |
| **Security Software**<sup>1</sup> | Tower, Small Form Factor and Micro:  
McAfee® Small Business Security 30 Day Free Trial  
McAfee® Small Business Security 12-month subscription  
McAfee® Small Business Security 36 month Subscription  
Intel Guard Technologies & Secure Key: Software Guard (SGX), Data Guard (vPro only), Boot Guard, BIOS Guard (Core CPU’s only), OS Guard (Core CPU’s only) and Secure Key (i5 or greater only)  
Intel Runtime BIOS Resilience (Copper Point) with attestation via Nifty Rock + Intel TXT  
Support of Absolute Persistent Module BIOS agent v2  
OpenXT validation required  
SafeGuard and Response, powered by VMware Carbon Black and Secureworks  
Next Generation Antivirus (NGAV)  
Endpoint Detection and Response (EDR)  
Threat Detection and Response (TDR)  
Managed Endpoint Detection and Response  
Incident Management Retainer  
Emergency Incident Response  
SafeData  |
| **Warranty**<sup>3,10</sup> | Tower, Small Form Factor and Micro:  
3 Year hardware warranty with on-site service after remote diagnosis  
4 Year hardware warranty with on-site service after remote diagnosis  
5 Year hardware warranty with on-site service after remote diagnosis  
3 Year ProSupport with Next Business Day on-site Service  
4 Year ProSupport with Next Business Day on-site Service  
5 Year ProSupport with Next Business Day on-site Service  
3 Year ProSupport Plus for Client with Next Business Day on-site Service  
4 Year ProSupport Plus for Client with Next Business Day on-site Service  
5 Year ProSupport Plus for Client with Next Business Day on-site Service |
## Features & Technical Specifications

**OptiPlex 7090 Technical Specifications**

### Accidental Damage Services
- **Tower, Small Form Factor and Micro:**
  - 3 Year Accidental Damage Service
  - 4 Year Accidental Damage Service
  - 5 Year Accidental Damage Service

### Dimensions
- **Tower:**
  - **US Dimensions**
    - Front Height: 14.45 in. (367.00 mm)
    - Rear Height: 14.45 in. (367.00 mm)
    - Width: 6.65 in. (169.00 mm)
    - Depth: 11.84 in. (300.80 mm)
    - Weight (min): 14.46 lb (6.56 kg)
    - Weight (max): 22.53 lb (10.22 kg)
  - **ROW Dimensions**
    - Front Height: 367.00 mm (14.45 in.)
    - Rear Height: 367.00 mm (14.45 in.)
    - Width: 169.00 mm (6.65 in.)
    - Depth: 300.80 mm (11.84 in.)
    - Weight (min): 6.56 kg (14.46 lb)
    - Weight (max): 10.22 kg (22.53 lb)
  - **India Dimensions**
    - Front Height: 367.00 mm
    - Rear Height: 367.00 mm
    - Width: 169.00 mm
    - Depth: 300.80 mm
    - Weight (min): 6.56 kg
    - Weight (max): 10.22 kg
- **Small Form Factor:**
  - **US Dimensions**
    - Height: 11.42 in. (290 mm)
    - Width: 3.65 in. (92.60 mm)
    - Depth: 11.53 in. (292.80 mm)
    - Weight (minimum): 9.84 lb (4.46 kg)
    - Weight (maximum): 12.61 lb (5.72 kg)
  - **ROW Dimensions**
    - Height: 290 mm (11.42 in.)
    - Width: 92.60 mm (3.65 in.)
    - Depth: 292.80 mm (11.53 in.)
    - Weight (minimum): 4.46 kg (9.84 lb)
    - Weight (maximum): 5.72 kg (12.61 lb)
  - **India Dimensions**
    - Height: 290 mm
    - Width: 92.60 mm
    - Depth: 292.80 mm
    - Weight: 4.46 kg
- **Micro:**
  - **US Dimensions**
    - Height: 7.16 in. (182 mm)
    - Width: 7.02 in. (178.50 mm)
    - Depth: 1.41 in. (36 mm)
    - Weight (minimum): 2.87 lbs (1.30 kg)
    - Weight (maximum): 3.05 lbs (1.38 kg)
  - **ROW Dimensions**
    - Height: 182 mm (7.16 in.)
    - Width: 178.50 mm (7.02 in.)
    - Depth: 36 mm (1.41 in.)
    - Weight: 1.18 kg (2.60 lb)
  - **India Dimensions**
    - Height: 182 mm
    - Width: 178.50 mm
    - Depth: 36 mm
    - Weight: 1.18 kg

### Audio and Speakers
- **Tower:**
  - Stereo speakers with Waves MaxxAudio® Pro, 2 W x 2 = 4 W total
- **Small Form Factor:**
  - Mono speaker with Waves MaxxAudio®, 2 W
- **Micro:**
  - Stereo speakers with Waves MaxxAudio® Pro, 2 W x 1 = 1 W total

### Power
- **Tower:**
  - 260 W typical 85% Efficient PSU, 80 Plus Bronze
  - 300 W typical 92% Efficient PSU, 80 Plus Platinum
  - 360 W typical 92% Efficient PSU, 80 Plus Platinum
  - 500 W typical 92% Efficient PSU, 80 Plus Platinum
- **Small Form Factor:**
  - 300 W typical 92% Efficient PSU, 80 Plus Platinum
  - 200 W typical 85% Efficient PSU, 80 Plus Bronze
- **Micro:**
  - 90 W AC adapter, 4.5 mm barrel for 35 W CPU (<=6C)
  - 130 W AC adapter, 4.5 mm barrel for 35 W CPU (8C)
  - 180 W AC Adapter, 4.5 mm barrel for 65 W CPU and Discrete graphic card

### Systems Management
- **Tower, Small Form Factor and Micro:**
  - Dell Client Command Suite for In-Band systems management
  - Intel® Standard Manageability
  - Intel® vPro™ for Out-of-Band systems management

### Regulatory
- **Tower, Small Form Factor and Micro:**
  - ENERGY STAR qualified configurations available, EPEAT Registered configurations available, TCO 8.0 certified configurations available, CEL, WEEE, Japan Energy Law, South Korea E-standby, EU RoHS, China RoHS
## Features & Technical Specifications

**OptiPlex 7090 Tower, Small Form Factor and Micro**

<table>
<thead>
<tr>
<th>Feature</th>
<th>OptiPlex 7090 Technical Specifications¹</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hardware Security</strong></td>
<td>Tower, Small Form Factor and Micro:</td>
</tr>
<tr>
<td></td>
<td>1 Kensington security-cable slot</td>
</tr>
<tr>
<td></td>
<td>1 Padlock loop</td>
</tr>
<tr>
<td></td>
<td>Chassis lock slot support</td>
</tr>
<tr>
<td></td>
<td>Chassis intrusion switch</td>
</tr>
<tr>
<td></td>
<td>Lockable cable covers</td>
</tr>
<tr>
<td></td>
<td>Supply chain tamper alerts</td>
</tr>
<tr>
<td></td>
<td>SafeID including Trusted Platform Module (TPM) 2.0</td>
</tr>
<tr>
<td></td>
<td>Smart card keyboard (FIPS)</td>
</tr>
<tr>
<td></td>
<td>Microsoft 10 Device Guard and Credential Guard (Enterprise SKU)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Bitlocker</td>
</tr>
<tr>
<td></td>
<td>Local hard drive data wipe through BIOS (Secure Erase)</td>
</tr>
<tr>
<td></td>
<td>Self-encrypting storage drives (Opal, FIPS)</td>
</tr>
<tr>
<td></td>
<td>Trusted Platform Module TPM 2.0</td>
</tr>
<tr>
<td></td>
<td>China TPM</td>
</tr>
<tr>
<td></td>
<td>Intel Secure Boot</td>
</tr>
<tr>
<td></td>
<td>Intel Authenticate</td>
</tr>
<tr>
<td></td>
<td><strong>SafeBIOS</strong>: includes Dell Off-host BIOS Verification, BIOS Resilience, BIOS Recovery, and additional BIOS Controls</td>
</tr>
<tr>
<td><strong>Configuration Services</strong></td>
<td>Factory Image load, BIOS Customization, Hardware Customization, Asset Tagging and Reporting</td>
</tr>
</tbody>
</table>
Intelligent desktops built to deliver ultimate expandability and performance.