

DATA SHEETS



Transform how you work.

DELL 24 MONITOR | P2419H



OPTIMIZE YOUR WORKSPACE

Free up valuable desk space with this 23.8" FHD monitor featuring the smallest monitor base in its class.¹ Easily hide away cable clutter with the improved cable management design.



MAXIMIZE PRODUCTIVITY

The 3-sided ultrathin bezel delivers a seamless view across multiple monitors, while Easy Arrange in Dell Display Manager software helps you stay organized when multitasking.



WORK COMFORTABLY

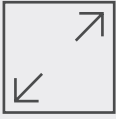
Pivot, tilt, swivel and adjust the height of your monitor to your exact preference. Stay focused longer with a flicker-free screen and ComfortView that optimize eye comfort.



TRUSTED RELIABILITY

Dell monitors — World's number 1 monitor brand²
Enjoy peace of mind with Dell Premium Panel Exchange, 3 year Advanced Exchange Service³ and optional ProSupport.⁴

Maximize productivity

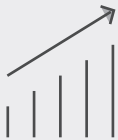


OPTIMIZED WORKSPACE

More room to work: Free up valuable desk space with a thin monitor profile and the smallest monitor base in its class.¹

Clutter-free: Focus on your work while hiding away cable clutter with an improved cable management design.

Consistent and rich colors: A wide viewing angle enabled by In-Plane Switching technology lets you see vibrant colors—no matter where you sit.



MAXIMIZE PRODUCTIVITY

Expand your efficiency: The three-sided ultrathin bezel design lets you enjoy an uninterrupted view of your content across multiple monitors. And, with dual monitors, you can increase your productivity by up to 18%.⁵

More ways to multitask: Work conveniently across multiple screens and select from predefined templates with the Easy Arrange feature on Dell Display Manager software. Quickly tile and arrange your applications and get back to work faster with Auto-restore, a feature that remembers where you left off.



WORK COMFORTABLY

Adjust to your comfort: Pivot, tilt, swivel and adjust the height of your monitor for a comfortable setup all day long. Or choose from a variety of mounts and stands, including VESA, for even more flexibility.

Easy on the eyes: This TÜV⁶ Certified monitor has a flicker-free screen with ComfortView, a feature that reduces harmful blue light emissions. It's designed to optimize eye comfort even over extended viewing.



TRUSTED RELIABILITY

DELL MONITORS – WORLD'S NUMBER 1 MONITOR BRAND²

Peace of mind: Dell Premium Panel Exchange allows a free panel replacement during the Limited Hardware Warranty⁷ period even if only one bright pixel is found.

Minimize downtime: Your monitor comes with a 3-year Advanced Exchange Service³ so that if a replacement becomes necessary, it will be shipped to you the next business day during your 3-year Limited Hardware Warranty.⁷

Get a higher level of support: Upgrade to 24x7, in-region technical phone support from qualified engineers with Dell ProSupport option.⁴

Features & Technical Specifications

Monitor

Diagonal Viewing Size	Dell 24 Monitor - P2419H 60.45 cm (23.8 inches)
Active Display Area	
Height	527.04 mm (20.75")
Width	296.46 mm (11.67")
Maximum Preset Resolution	1920 x 1080 at 60 Hz
Aspect Ratio	16:9
Pixel Pitch	0.275 mm x 0.275 mm
Pixel Per Inch (PPI)	92
Brightness	250 cd/m ² (typical)
Color Support	Color Gamut (typical): 72% (CIE1931) ⁸ Color Depth: 16.7 Million colors
Contrast Ratio	1000: 1 (typical)
Viewing Angle	178°/178°
Response Time	8 ms (Normal); 5 ms (Fast) - (gray to gray)
Panel Type	In-Plane Switching Technology
Backlight Technology	LED Edgelight System
ComfortView with Flicker-free screen	Yes
Dell Display Manager Compatibility	Yes
Remote Asset Management	Yes, via Dell Command Monitor
Display Screen Coating	Antiglare with 3H hardness

Connectivity

Connectors	1 x DisplayPort version 1.2, 1 x HDMI port version 1.4, 1 x VGA port, 1 x USB 3.0 upstream port (bottom), 2 x USB 3.0 downstream ports (side), 2 x USB 2.0 downstream ports (bottom)
Built-in Devices	USB 3.0 super-speed hub (with 1 x USB 3.0 upstream port), 2 x USB 3.0 downstream ports, 2 x USB 2.0 downstream ports

Design Features

Adjustability	Height-adjustable stand (130 mm), Tilt (-5° to 21°) Swivel (-45° to 45°), Pivot (-90° to 90°)
Security	Security lock slot (cable lock sold separately)
Flat Panel Mount Interface	VESA (100 mm x 100 mm)

Power

AC input voltage/frequency/current	100 VAC to 240 VAC / 50 Hz or 60 Hz ± 3 Hz / 1.5 A (typical)
Power Consumption (Operational)	18W (typical) / 42W (maximum) ⁹
Power Consumption Stand by / Sleep	Less than 0.3W

Dimensions (with stand)

Height (Compressed ~ Extended)	356.1 mm ~486.1 mm; 14.02" ~19.14"
Width	537.8 mm (21.27")
Depth	166.0 mm (6.54")
Weight	
Weight (panel only - for VESA mount)	3.26 kg (7.19 lb)
Weight (with stand)	5.25 kg (11.57 lb)
Weight (with packaging)	7.10 kg (15.65 lb)

Standard Service Plan

Premium Panel Exchange, 3 Years Advanced Exchange Service² & Limited Hardware Warranty⁷

Optional Service Plan

Dell ProSupport⁴

Environmental Compliance

ENERGY STAR®, EPEAT® Gold¹⁰, RoHS Compliant, TCO-Certified Display, BFR/PVC free monitor (excluding external cables), Arsenic-Free glass and Mercury-Free for the panel only

What's in the box?

Components

- Monitor with stand

Cables

- DisplayPort cable
- USB 3.0 upstream cable
- Power cable

Documentation

- Quick Setup Guide
- Drivers and documentation media
- Safety and regulatory information

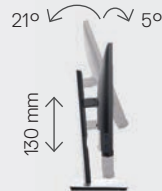
Adjustability and connectivity

DELL 24 MONITOR | P2419H

Easily adjust the panel to your preferred viewing position.



Back view -
Cable management slot



Tilt and height adjustable

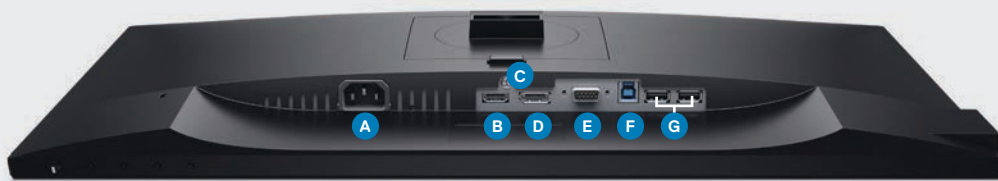


Pivot



Swivel

Connectivity



- A Power connector
- B HDMI port
- C Stand lock feature
- D DisplayPort

- E VGA connector
- F USB upstream port
- G USB downstream ports (x2)
- H USB downstream ports (x2)



RECOMMENDED ACCESSORIES



DELL DUAL MONITOR
STAND | MDS19

Enjoy toolless monitor installation with Quick Release and the flexibility to pivot, tilt, swivel and adjust the height of each monitor independently. Features a small footprint and neat cable management.



DELL PRO STEREO
SOUNDBAR | AE515M

Optimize conference calls and multimedia streaming with exceptional audio clarity. Minimize background noise with the dual mic array and echo-cancelling feature.



DELL WIRELESS KEYBOARD
AND MOUSE | KM636

Elevated and spacious chiclet keys with muted typing sound. Pair up to 6 devices with Dell Universal Pairing.

1 Based on Dell internal analysis comparing the area of the monitor base in competitive 23.8" size monitors as of March 2018.

2 Dell monitors are #1 worldwide for 5 consecutive years (2013-2017)! Source: IDC Quarterly PC Monitor Tracker, Q4 2017.

3 Advanced Exchange: Dell will send you a replacement monitor the next business day in most cases, if deemed necessary after phone/online diagnosis. Shipping times may vary by location and for monitors 55" and above. Fee charged for failure to return defective unit. See dell.com/servicecontracts/global.

4 Availability varies, please visit www.dell.com/support for details.

5 Source: "Dell Displays, Productivity and Satisfaction Single vs. Dual Monitors," conducted by SURL, Wichita State University and commissioned by Dell, October 2015.

6 TÜV Certified (ID0000051369-Flicker Free / ID0000051370-Low Blue Light Content). For more details, visit www.tuv.com.

7 For a copy of the Limited Hardware Warranty, write to Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see dell.com/warranty.

8 Color gamut (typical) is based on CIE1976 (82%) and CIE1931 (72%) test standards.

9 Maximum power consumption with max luminance and contrast.

10 EPEAT Gold registered in the U.S. EPEAT registration varies by country. See www.epeat.net for registration status by country.

Dell.com/monitors Product availability varies by country. Please contact your Dell representative for more information.

© 2018 Dell. All rights reserved.

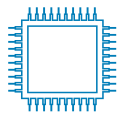
Trademarks or trade names may be used in this document to refer to either the entities claiming the marks and names of their products. Dell disclaims proprietary interest in the marks and names of others. Reproduction in any manner whatsoever without express written permission from Dell is strictly forbidden.





OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Intelligent, mainstream desktops with right-sized performance & configurations.



IMPRESSIVELY POWERFUL

Built with 11th generation Intel® up to Core™ i7 processors and doubled max memory from previous generation provides better performance while running multiple or large applications. The 5090 tower is ready to deliver entry commercial VR content experiences with the latest NVIDIA™ 1660 Super and AMD® graphics.



FASTER USER EXPERIENCES

Select your top five apps and Dell Optimizer ExpressResponse will analyze and boost their performance. New ExpressConnect automatically joins the strongest access point and directs bandwidth to critical applications. Experience speedier multitasking, powerful data analytics and strong connectivity with integrated Intel® Wi-Fi 6 (WiFi 802.11ax).



SEE AND DO MORE

Drive up to a triple display set up with new Intel® Gen 12 graphics. Achieve better visuals for 3D rendering and 4K monitor use with discrete graphics support for 5090 micro. Connect with ease with two native DisplayPort interfaces with optional VGA, HDMI 2.0b, or USB Type-C® Alt mode.



SMART DESIGN

Sustainably built with a high ratio of post consumer recyclable (PCR) content and a design to keep your system cool, OptiPlex 5090 is a smart solution. Custom mounts and stands adapt to your workspace while the tool-less chassis provides easy serviceability. Protect your IT investment with TPM 2.0, optional chassis intrusion switch and lockable cable covers. EPEAT Gold and ENERGY STAR qualified on select configurations.

Recommended Accessories

OPTIPLEX 5090 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.



OPTIPLEX SMALL FORM
FACTOR ALL-IN-ONE STAND

Small footprint mounting solution featuring integrated monitor power and Ethernet cables, as well as monitor adjustability with height, tilt, swivel and pivot functions.

PURPOSE-BUILT SOLUTIONS



DELL 24 MONITOR - P2421D

Optimize your workspace with this efficient 23.8" monitor built with an ultrathin bezel, a small footprint and comfort-enhancing features.



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 PRO WIRELESS KEYBOARD
AND MOUSE - KM5221W

Enhance your everyday productivity with a quiet full size keyboard and mouse combo that offers 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.



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.



DELL PRO WIRED HEADSET -
WH3022 (COMING SOON)

Experience exceptional audio clarity with this Teams certified wired headset that allows you to wear the microphone on either side for a customized fit.

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.

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.

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.

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.

¹Source: ESG Remote Work Report, 2020

²Source: Dell User Group Pulse Survey March 2020

Features & Technical Specifications

OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Feature

Processors¹

OptiPlex 5090 Technical Specifications¹

Tower, Small Form Factor:

10th Generation Intel® Core™ i5-10400, 12MB Cache, 6 Core, 12 Treads, 2.9GHz to 4.3GHz, 65W
10th Generation Intel® Core™ i5-10500, 12MB Cache, 6 Core, 12 Treads, 3.1GHz to 4.5GHz, 65W
10th Generation Intel® Core™ i5-10600, 12MB Cache, 6 Core, 12 Treads, 3.3GHz to 4.8GHz, 65W
10th Generation Intel® Core™ i7-10700, 16MB Cache, 8 Core, 16 Treads, 2.9GHz to 4.8GHz, 65W
10th Generation Intel® Pentium™ Gold G6405, 4 MB Cache, 2 Core, 4 Threads, Up to 4.1 GHz, 58 W
10th Generation Intel® Pentium™ Gold G6505, 4 MB Cache, 2 Core, 4 Threads, Up to 4.2 GHz, 58 W
10th Generation Intel® Core™ i3-10105, 6 MB Cache, 4 Core, 8 Threads, 3.7 GHz to 4.4 GHz, 65 W
10th Generation Intel® Core™ i3-10305, 8 MB Cache, 4 Core, 8 Threads, 3.8 GHz to 4.5 GHz, 65 W
10th Generation Intel® Core™ i5-10505, 12 MB Cache, 6 Core, 12 Threads, 3.2 GHz to 4.6 GHz, 65 W
11th Generation Intel® Core™ i5-11400, 12 MB Cache, 6 Core, 12 Threads, 2.6 GHz to 4.4 GHz, 65 W
11th Generation Intel® Core™ i5-11500, 12 MB Cache, 6 Core, 12 Threads, 2.7 GHz to 4.6 GHz, 65 W
11th Generation Intel® Core™ i5-11600, 12 MB Cache, 6 Core, 12 Threads, 2.8 GHz to 4.8 GHz, 65 W
11th Generation Intel® Core™ i7-11700, 16 MB Cache, 8 Core, 16 Threads, 2.5 GHz to 4.9 GHz, 65 W

Micro:

10th Generation Intel® Core™ i5-10400T, 12MB Cache, 6 Core, 12 Treads, 2.0GHz to 3.6GHz, 35W
10th Generation Intel® Core™ i5-10500T, 12MB Cache, 6 Core, 12 Treads, 2.3GHz to 3.8GHz, 35W
10th Generation Intel® Core™ i5-10600T, 12MB Cache, 6 Core, 12 Treads, 2.4GHz to 4.0GHz, 35W
10th Generation Intel® Core™ i7-10700T, 16MB Cache, 8 Core, 16 Treads, 2.0GHz to 4.5GHz, 35W
10th Generation Intel® Core™ i3-10105T, 6 MB Cache, 4 Core, 8 Threads, 3 GHz to 3.9 GHz, 35 W
10th Generation Intel® Core™ i3-10305T, 8 MB Cache, 4 Core, 8 Threads, 3 GHz to 4 GHz, 35 W
10th Generation Intel® Pentium G6405T, 4 MB Cache, 2 Core, 4 Threads, 3.5 GHz, 35 W
10th Generation Intel® Pentium G6505T, 4 MB Cache, 2 Core, 4 Threads, 3.6 GHz, 35 W
11th Generation Intel® Core™ i5-11400T, 12 MB Cache, 6 Core, 12 Threads, 1.3 GHz to 3.7 GHz, 35 W
11th Generation Intel® Core™ i5-11500T, 12 MB Cache, 6 Core, 12 Threads, 1.5 GHz to 3.9 GHz, 35 W
11th Generation Intel® Core™ i5-11600T, 12 MB Cache, 6 Core, 12 Threads, 1.7 GHz to 4.1 GHz, 35 W
11th Generation Intel® Core™ i7-11700T, 16 MB Cache, 8 Core, 16 Threads, 1.4 GHz to 4.6 GHz, 35 W

Chipset

Intel® Q570 Chipset

Operating System Options¹

Windows 10 Home, 64-bit
Windows 10 IoT Enterprise 2019 LTSC (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)

Video Card^{2,14}

Tower:

Intel® UHD Graphics 610 for 10th Generation Intel® Pentium® Gold G6405 processors
Intel® UHD Graphics 630 for 10th Generation Intel® Pentium® Gold G6505 and 10th Generation Intel® Core™ i3/i5 processors
Intel® UHD Graphics 730 for 11th Generation Intel® Core™ i5-11400 processors
Intel® UHD Graphics 750 for 11th Generation Intel® Core™ i5/i7 processors
NVIDIA® GeForce® GTX 1660 Super™, 6 GB, GDDR6 (optional)
AMD Radeon™ RX640, 4 GB, GDDR5 (optional)
AMD Radeon™ 550, 2GB, GDDR5 (optional)
AMD Radeon™ 540, 1GB, GDDR5 (optional)

Small Form Factor:

Intel® UHD Graphics 610 for 10th Generation Intel Pentium G6405 processor
Intel® UHD Graphics 630 for 10th Generation Intel Pentium G6505 and Intel Core i3/i5 processors
Intel® UHD Graphics 730 for 11th Generation Intel Core i5-11400 processor
Intel® UHD Graphics 750 for 11th Generation Intel Core i5/i7 processors
AMD Radeon™ RX640, 4 GB, GDDR5 (optional)
AMD Radeon™ 550, 2GB, GDDR5 (optional)
AMD Radeon™ 540, 1GB, GDDR5 (optional)

Micro:

Intel® UHD Graphics 610 for 10th Generation Intel® Pentium® Gold G6405T processors
Intel® UHD Graphics 630 for 10th Generation Intel® Pentium® Gold G6505T and 10th Generation Intel® Core™ i3 processors
Intel® UHD Graphics 730 for 11th Generation Intel® Core™ i5-11400T processors
Intel® UHD Graphics 750 for 11th Generation Intel® Core™ i5/i7 processors

Memory^{2,3}

Tower:

4 GB, 1 x 4 GB, DDR4, 2666 MHz for Intel Pentium and 10th Generation Intel Core i3/i5, 2933 MHz for 10th Generation Intel Core i7, 3200 MHz for 11th Generation Intel Core i5/i7 processors
8 GB, 1 x 8 GB, DDR4, 2666 MHz for Intel Pentium and 10th Generation Intel Core i3/i5, 2933 MHz for 10th Generation Intel Core i7, 3200 MHz for 11th Generation Intel Core i5/i7 processors
8 GB, 2 x 4 GB, DDR4, 2666 MHz for Intel Pentium and 10th Generation Intel Core i3/i5, 2933 MHz for 10th Generation Intel Core i7, 3200 MHz for 11th Generation Intel Core i5/i7 processors

Features & Technical Specifications

OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Intel® AX201, 2x2 MIMO, 2.40 Gbps, 2.40 Ghz/5 GHz, Wi-Fi 6 (Wi-Fi 802.11ax), Bluetooth 5.1
Qualcomm QCA9377, 1x1, 433 Mbps, 2.40/5 GHz, Wi-Fi 5 (Wi-Fi 802.11ac), Bluetooth 5.0
Qualcomm QCA61x4A, 2x2, MIMO, 867 Mbps, 2.40 Ghz/5 GHz, Wi-Fi 5 (Wi-Fi 802.11ac), Bluetooth 5.0

Features & Technical Specifications

OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Feature	OptiPlex 5090 Technical Specifications ¹
Ports ¹⁶	<p>Tower:</p> <p>Front:</p> <ul style="list-style-type: none">2 USB 2.0 ports1 USB 3.2 Gen 1 Type-A port1 USB 3.2 Gen 2 Type-C® port1 Universal Audio Jack <p>Rear:</p> <ul style="list-style-type: none">2 USB 2.0 ports with Smart Power On4 USB 3.2 Gen 1 Type-A port1 RJ45 Ethernet port1 re-tasking Line out/Line in audio port2 DisplayPort 1.4 ports1 VGA Port/DisplayPort 1.4 Port/HDMI 2.0b Port/ USB 3.2 Gen2 Type-C® Port with Alt-mode (optional)1 Serial and 2 PS2 slot (optional) <p>Small Form Factor:</p> <p>Front:</p> <ul style="list-style-type: none">1 USB 3.2 Gen 1 Type-A port1 USB 2.0 ports with PowerShare1 USB 2.0 ports1 USB 3.2 Gen 2 Type-C port1 universal audio port <p>Rear:</p> <ul style="list-style-type: none">4 USB 3.2 Gen 1 Type-A ports2 USB 2.0 ports1 re-tasking Line out/Line in audio port2 DisplayPort 1.4 ports1 RJ45 Ethernet port <p>Optional Modules:</p> <ul style="list-style-type: none">1 VGA port1 DisplayPort 1.4 port1 HDMI 2.0b port1 Serial/PS2 port1 USB 3.2 Gen 2 type-C port with DisplayPort Alt Mode/Power delivery <p>Micro:</p> <p>Front:</p> <ul style="list-style-type: none">1 Universal Audio Jack1 re-tasking Line-in/Line out audio port1 USB 3.2 Gen 2x1 Type-C® port1 USB 3.2 Gen 1 Type-A port with PowerShare <p>Rear:</p> <ul style="list-style-type: none">1 RJ45 Ethernet port1 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 port1 USB 3.2 Gen 1 Type-A port with Smart Power on2 USB 3.2 Gen 1 Type-A ports2 DisplayPort 1.4 ports
Optical Drive	Tower: 8x DVD-ROM, 8x DVD+/-RW; Small Form Factor: 8x DVD+/-RW (Optional); Micro: Dell OptiPlex Micro DVD/RW Enclosure Mount
Slots	<p>Tower:</p> <ul style="list-style-type: none">1 SD-card slot (optional)1 full-height Gen 4 PCIe x16 slot1 full-height Gen 4 PCIe x4 slot openend2 full-height PCIe x1 slots1 M.2 2230 slot for Wi-Fi and Bluetooth card1 M.2 2230/2280 slot for SSD4 SATA slots for 2.5-inch HDD/SSD, and slim Optical Drive <p>Small Form Factor:</p> <ul style="list-style-type: none">1 half-height Gen 3 PCIe x16 slot1 half-height Gen 3 PCIe x4 slot1 M.2 2230 slot for WiFi and Bluetooth card1 M.2 2230/2280 slot for solid-state drive/Intel Optane3 SATA 3.0 slots for 3.5/2.5-inch hard drive, slim optical drive1 SD 4.0 card slot (optional) <p>Micro:</p> <ul style="list-style-type: none">1 M.2 2230 slot for Wi-Fi and Bluetooth card1 M.2 2230/2280 slot for SSD/Intel Optane1 SATA slot for 2.5-inch hard drive1 Kensington cable-lock slot

Features & Technical Specifications

OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Feature

Primary Hard Drive^{1,5}

OptiPlex 5090 Technical Specifications¹

Tower:

2.5-inch, 500 GB, 5400 RPM, SATA HDD
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, 500 GB, 5400 RPM, SATA, HDD
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, 5400 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, 7200 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, 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

Primary Hard Drive^{1,5}

Micro:

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
2.5-inch, 500 GB, 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

Intel Optane Memory for Tower, Small Form Factor and Micro: Intel® Optane™ Memory H20 32 GB with 512 GB SSD

Features & Technical Specifications

OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Feature	OptiPlex 5090 Technical Specifications¹
	Dimensions
	Tower:
	US Dimensions Front Height: 12.77 in. (324.30 mm) Rear Height: 12.77 in. (324.30 mm) Width 6.60 in. (154 mm) Depth 11.54 in. (293.00 mm) Weight (min): 11.07 lb (5.03 kg) Weight (max): 15.95 lb (7.24 kg)
	ROW Dimensions Front Height: 324.30 mm (12.77 in.) Rear Height: 324.30 mm (12.77 in.) Width: 154.00 mm (6.06 in.) Depth: 292.00 mm (11.5 in.) Weight (min): 5.90 kg (13.01 lb) Weight (max): 7.21 kg (15.90 lb)
	India Dimensions Front Height: 324.30 mm Rear Height: 292.00 mm Width: 154.00 mm Depth: 292.00 mm Weight (min): 5.90 kg Weight (max): 7.21 kg
	Small Form Factor:
	US Dimensions Height: 11.42 in. (290.00 mm) Width 3.65 in. (92.6 mm) Depth 11.53 in. (292.80 mm) Weight (min): 9.77 lb (4.43 kg) Weight (max): 12.53 lb (5.66 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): 4.43 kg (9.76 lb) Weight(maximum): 5.65 kg (12.53 lb)
	India Dimensions Height: 290 mm Width: 92.60 mm Depth: 292.80 mm Weight(minimum): 4.43 kg Weight(maximum): 5.65 kg
	Micro:
	US Dimensions Height: 7.2 in. (183.00 mm) Width 1.4 in. (36.00 mm) Depth 7.0 in. (178.50 mm) Weight (min): 2.56 lb (1.16 kg) Weight (max): 2.83 lb (1.28 kg)
	ROW Dimensions Height: 182 mm (7.16 in.) Width: 178.50 mm (7.02 in.) Depth: 36 mm (1.41 in.) Weight: 1.17 kg (2.58 lb)
	India Dimensions Height: 182 mm Width: 178.50 mm Depth: 36 mm Weight: 1.17 kg
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
	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)
Hardware Security	1 Kensington security-cable slot 1 Padlock loop Chassis lock slot support Chassis intrusion switch Lockable cable covers Supply chain tamper alerts Safeld including Trusted Platform Module (TPM) 2.0 Smart card keyboard (FIPS) Microsoft 10 Device Guard and Credential Guard (Enterprise SKU) Microsoft Windows Bitlocker Local hard drive data wipe through BIOS (Secure Erase) Self-encrypting storage drives (Opal, FIPS) Trusted Platform Module TPM 2.0 China TPM Intel Secure Boot Intel Authenticate
	SafeBIOS: includes Dell Off-host BIOS Verification, BIOS Resilience, BIOS Recovery, and additional BIOS Controls

Features & Technical Specifications

OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Feature	OptiPlex 5090 Technical Specifications ¹
Recommended accessories	Monitors: Qualified with select Dell UltraSharp, Professional, and E-series monitors Keyboards: Dell Premier Multi-Device Wireless Keyboard and Mouse, Dell wired keyboard with multimedia functionality, Dell Smart Card keyboard, Dell wireless keyboard Mouse: Dell wired mouse, Dell wireless mouse, Dell Laser mouse, Dell Wired Fingerprint Reader Mouse Audio Speakers: Internal Dell Business audio speaker, Dell stereo speaker systems; Dell sound bar for select flat-panel displays. Dell Wireless Speaker System Audio Headsets: Dell Pro Stereo headsets Micro Mounting Options: Micro Vertical Stand, Micro VESA Mount, Micro Dual VESA Mount, Micro All-in-One Stand, Micro All-in-One Mount for E Series Displays, Micro DVD+/-RW Enclosure Small Form Factor Mounting Option: Small Form Factor All-in-One Stand
Productivity Software	Microsoft® Office 30 Day Trial, Microsoft® Office Home and Business 2019, Microsoft® Office Professional 2019
Audio and Speakers ¹	Tower & Micro:: Stereo speakers with Waves MaxxAudio® Pro, 2 W x 2 = 4 W total Small Form Factor: Mono speaker with Waves MaxxAudio®, 2 W
Systems Management Options ⁹	Dell Client Command Suite for In-Band systems management Intel® Standard Manageability
Regulatory ^{9,10}	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
Warranty	3 years hardware warranty with on-site service after remote diagnosis 4 years hardware warranty with on-site service after remote diagnosis 5 years hardware warranty with on-site service after remote diagnosis 3 years ProSupport with Next Business Day on-site service 4 years ProSupport with Next Business Day on-site service 5 years ProSupport with Next Business Day on-site service 3 years ProSupport Plus with Next Business Day on-site service 4 years ProSupport Plus with Next Business Day on-site service 5 years ProSupport Plus with Next Business Day on-site service
Accidental Damage Services ¹¹	3 years Accidental Damage Service, 4 years Accidental Damage Service, 5 years Accidental Damage Service
Configuration Services	Factory image load, BIOS customization, Hardware customization, Asset Tagging and Reporting



OPTIPLEX 5090 TOWER, SMALL FORM FACTOR AND MICRO

Intelligent, mainstream desktops with right-sized performance & configurations.



Discover professional class desktops at www.dell.com/OptiPlex

1. Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Technical Guidebook published on www.dell.com/support.
2. System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.
3. 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.
4. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality
5. Storage Option: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
6. TPM is available in selected regions.
7. Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.lockforlaptops.com.
8. Please refer to www.epeat.net for specific country registration rating and participation.
9. Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty.
10. on-site service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/warranty) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.
11. Dell Services: Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.
12. For complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information www.dell.com/support/home/us/en/19.