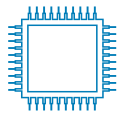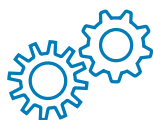# DELLTechnologies

OPTIPLEX 3090 TOWER, SMALL FORM FACTOR AND MICRO

Business desktops with streamlined performance and essential manageability options to drive maximum value.

POWER YOUR SUCCESS

Speed through routine tasks seamlessly with 10th generation Intel® Core™ processors and up to 65W CPU for towers. Supporting up to 64GB DDR4 (32GB DIMMS)- and delivering faster user experiences.

SECURE SOLUTION

The OptiPlex 3090 offers more security than ever. Work smart with secure features including TPM 2.0, SED hard drive, standard security lock slot, padlock loop and intrusion switch. Protect your IT investment completely with Dell Endpoint Security.

CONVENIENT CONNECTIONS

Create a multi-monitor set up to improve productivity and task accuracy with support for up to three monitors,including 2 native DisplayPorts 1.4, and optional VGA, HDMI 2.0b or 3rd DisplayPort.

EFFICIENT DESIGN

"Shift" venting pattern of the chassis maximizes air intake to help your system stay cool. The compact, entry tool-less design, now provides easier access to parts for quicker serviceability, without the need to remove the front bezel. Versatile mounting options enable a personalized, clutter-free workspace.

Recommended Accessories

CUSTOM STANDS AND MOUNTS

DELL SINGLE MONITOR ARM - MSA20

Maximize your desk space with this sleek arm that supports both system and monitor mounting.

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 encolusure 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.

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 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 | P2422H

Stay productive no matter where you work with this sleek 23.5" FHD monitor with ComfortView.

DELL ULTRASHARP WEBCAM

Elevate your video conferencing experience with the world's best image quality 4K webcam that optimizes your visuals with a large 4K Sony STARVIS™ CMOS sensor and AI Auto-Framing.

DELL SLIM SOUNDBAR -SB521A

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.

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.

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.

Enhanced efficiency

Actionable insights

Optimized experiences

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.

Feature	OptiPlex 3090 Technical Specifications[1]
Processors[1]	**Tower, Small Form Factor:** 10th Generation Intel® Core™ i3-10100, 6 MB Cache, 4 Cores, 8 Threads, 3.6 GHz to 4.3 GHz, 65 W 10th Generation Intel® Core™ i3-10300, 8 MB Cache, 4 Cores, 8 Threads, 3.7 GHz to 4.4 GHz, 65 W 10th Generation Intel® Core™ i5-10400, 12 MB Cache, 6 Cores, 12 Threads, 2.9 GHz to 4.3 GHz, 65 W 10th Generation Intel® Core™ i5-10500, 12 MB Cache, 6 Cores, 12 Threads, 3.1 GHz to 4.5 GHz, 65 W 10th Generation Intel® Core™ i5-10600, 12 MB Cache, 6 Cores, 12 Threads, 3.3 GHz to 4.8 GHz, 65 W 10th Generation Intel® Celeron G5905, 4MB Cache, 2 Cores, 2 Threads, 3.5GHz, 58W 10th Generation Intel® Pentium G6405, 4MB Cache, 2 Cores, 4 Threads, 4.1GHz, 58W 10th Generation Intel® Pentium G6505, 4MB Cache, 2 Cores, 4 Threads, 4.2GHz, 58W 10th Generation Intel® Core™ i3-10105, 6MB Cache, 4 Cores, 8 Threads, 3.7GHz to 4.4GHz, 65W 10th Generation Intel® Core™ i3-10305, 8MB Cache, 4 Cores, 8 Threads, 3.8GHz to 4.5GHz, 65W 10th Generation Intel® Core™ i5-10505 12MB Cache, 6 Cores, 12 Threads, 3.2GHz to 4.6GHz, 65W **Micro:** 10th Generation Intel® Core™ i3-10100T, 6 MB Cache, 4 Cores, 8 Threads, 3.0 GHz to 3.8 GHz, 35 W 10th Generation Intel® Core™ i3-10300T, 8 MB Cache, 4 Cores, 8 Threads, 3.0 GHz to 3.9 GHz, 35 W 10th Generation Intel® Core™ i5-10400T, 12 MB Cache, 6 Cores, 12 Threads, 2.0 GHz to 3.6 GHz, 35 W 10th Generation Intel® Core™ i5-10500T, 12 MB Cache, 6 Cores, 12 Threads, 2.3 GHz to 3.8 GHz, 35 W 10th Generation Intel® Core™ i5-10600T, 12 MB Cache, 6 Cores, 12 Threads, 2.4 GHz to 4.0 GHz, 35 W 10th Generation Intel® Core™ i7-10700T, 16MB Cache, 8 Cores, 16 Threads, 2.0GHz to 4.5GHz, 35W* 10th Generation Intel® Celeron G5905T, 4MB Cache, 2 Cores, 2 Threads, 3.3GHz, 35W 10th Generation Intel® Pentium G6405T, 4MB Cache, 2 Cores, 4 Threads, 3.5GHz, 35W 10th Generation Intel® Pentium G6505T, 4MB Cache, 2 Cores, 4 Threads, 3.6GHz, 35W 10th Generation Intel® Core™ i3-10105T, 6MB Cache, 4 Cores, 8 Threads, 3.0GHz to 3.9GHz, 35W 10th Generation Intel® Core™ i3-10305T, 8MB Cache, 4 Cores, 8 Threads, 3.0GHz to 4.0GHz, 35W *Note: Intel® Core™ i7-10700T will not perform at maximum capacity on 3090 Micro.
Chipset	Intel® Q470 Chipset
Operating System Options[1]	Windows 11 Professional (64-bit) Windows 11 Downgrade (Windows 10 image) Windows 11 Home (64-bit) Windows 11 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) Windows 10 IoT 2019 LTSC
Video Card[2]	Intel® UHD Graphics 630 Intel® UHD Graphics 610 NVIDIA® GeForce® GT730, 2 GB, GDDR5 (optional, Tower and Small Form Factor only) AMD Radeon™ RX 640, 4 GB, GDDR5 (optional, Tower and Small Form Factor only) AMD Radeon™ 550, 2GB, GDDR5 (optional, Tower and Small Form Factor only) AMD Radeon™ 540, 1GB, GDDR5 (optional, Tower and Small Form Factor only)
Memory[2,3]	4 GB, 1 x 4 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 8 GB, 1 x 8 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 8 GB, 2 x 4 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 16 GB, 1 x 16 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 16 GB, 2 x 8 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 32 GB, 1 x 32 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 32 GB, 2 x 16 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only) 64 GB, 2 x 32 GB, DDR4, 2666 MHz for Intel® Celeron, Pentium, Core™ i3/i5 processors, 2933 MHz for Intel®Core™ i7 processor (Micro only)
Wireless[1,4]	Qualcomm® QCA61x4a 802.11ac dual band 2x2 + Bluetooth 5.0 Intel® Wif-Fi 5 9462 802.11ac dual band 1x1 + Bluetooth 5.1 Intel® Wi-Fi 6 AX201 2x2 + Bluetooth 5 and Bluetooth 5.2

Ports

Tower:
1 RJ-45 port 10/100/1000 Mbps (rear)
2 USB 2.0 Type-A ports (front)
2 USB 2.0 ports with Smart Power on (rear)
4 USB 3.2 Gen 1 Type-A ports (rear)
1 Universal Audio Jack (front)
1 Line-out audio port (rear, retaksable)
2 DisplayPorts 1.4 (rear)
1 Serial /PS2 slot (optional)
1 Optional 3rd Video Port (VGA/DP 1.4/HDMI 2.0b)

Small Form Factor:
1 RJ-45 port 10/100/1000 Mbps (rear)
2 USB 2.0 Type-A ports (front)
2 USB 2.0 Type-A ports with Smart Power On (rear)
4 USB 3.2 Gen 1 Type-A ports (rear)
1 Universal Audio Jack (front)

2 DisplayPorts 1.4 (rear)
1 Serial/PS2 slot (Optional)
1 Optional video port—HDMI 2.0b, DP, or VGA
1 Line-out audio port (rear, retaksable)

Micro:
1 RJ-45 port 10/100/1000 Mbps (rear)
1 USB 3.2 Gen1 Type-A ports (front)
3 USB 3.2 Gen1 Type-A ports (rear)
1 USB 3.2 Gen1 Type-A port with Smart Power On (rear)
1 Universal Audio Jack (front)
1 Line-out audio port (front, retaksable)
2 DisplayPorts 1.4 (rear)
1 VGA Port/DisplayPort 1.4 Port/HDMI 2.0b Port (optional)

Optical Drive

Optional 8x DVD-ROM 9.5mm ODD (Tower and Small Form Factor)
Optional 8x DVD+/-RW 9.5mm ODD (Tower and Small Form Factor)
Dell OptiPlex Micro DVD/RW Enclosure Mount (Micro only)

Slots

Tower:
1 full-height PCIe x16 Gen 3 slot
2 full-height PCIe x1 Gen 3 slot
1 M.2 2230 slot for wireless
1 M.2 2230/2280 slot for storage
3 SATA slots

Small Form Factor:
1 half-height PCIe x16 Gen 3 slot
1 half-height PCIe x1 Gen 3 slot
1 M.2 2230 slot for wireless
1 M.2 2230/2280 slots for storage
2 SATA slots - 1x3.5" HDD or 1x2.5" HDD, 1 slim ODD

Micro:
1 M.2 2230 slot for wireless
1 M.2 2230/2280 slot for storage
1 SATA slot - 1x2.5" HDD

Primary Hard Drive[1,5]

3.5-inch, 1 TB, 7200 RPM, SATA HDD (Tower and Small Form Factor only)
3.5-inch, 2 TB, 7200 RPM, SATA HDD (Tower and Small Form Factor only)
3.5-inch, 4 TB, 5400 RPM, SATA HDD (Tower and Small Form Factor only)
2.5-inch, 500 GB, 7200 RPM, SATA HDD (All form factors)
2.5-inch, 500 GB, 7200 RPM, Opal Self-Encrypting FIPS HDD (All form factors)
2.5-inch, 1 TB, 5400 RPM, SATA HDD (All form factors)
2.5-inch, 1 TB, 7200 RPM, SATA HDD (All form factors)
2.5-inch, 2 TB, 5400 RPM, SATA HDD (All form factors)
M.2 2230, 256 GB, Gen 3 PCIe x4 NVMe, Class 35 SSD (All form factors)
M.2 2230 256GB Gen 3 PCIex4 NVMe SED Class 35 (All form factors)
M.2 2230, 512 GB, Gen 3 PCIe x4 NVMe, Class 35 SSD (All form factors)
M.2 2280, 512 GB, Gen 3 PCIe x4 NVMe, Class 40 SSD (All form factors)
M.2 2280, 512 GB, Gen 3 PCIe x4 NVMe, Opal Self-Encrypting Class 40 SSD (All form factors)
M.2 2280 512GB Gen 4 PCIe x4 NVMe, Class 40 SSD (All form factors)
M.2 2280, 1 TB, Gen 3 PCIe x4 NVMe, Class 40 SSD (All form factors)
M.2 2280 1TB Gen 4 PCIE x4 NVMe, Class 40 SSD (All form factors)
M.2 2280 2TB NVME Gen 4 PCIe x4 Class 40 SSD (Micro only)
M.2 2280, 1 TB, Gen 3 PCIe x4 NVMe, Opal Self-Encrypting Class 40 SSD (All form factors)

Chassis

Form Factor	Tower	Small Form Factor (SFF)	Micro
Dimensions (H x W x D)	Front Height: 12.77 in. (324.30 mm) Rear Height: 12.77 in. (324.30 mm) Width: 6.06 in. (154.00 mm) Depth: 11.50 in. (292.20 mm)	Front Height: 11.42 in. (290.00 mm) Rear Height: 11.42 in. (290.00 mm) Width: 3.65 in. (92.60 mm) Depth: 11.53 in. (292.80 mm)	Front height: 7.16 in. (182.00 mm) Rear height: 7.16 in. (182.00 mm) Width: 1.42 in. (36.00 mm) Depth: 7.03 in. (178.56 mm)
Min. Weight (lbs/kg)	11.79 lb (5.35 kg)	8.37lb (3.79 kg)	2.55 lb (1.16kg)
Power Supply[1,6]	260 W typical 85% Efficient PSU (80 PLUS Bronze) 260 W typical 92% Efficient PSU (80 PLUS Platinum)	200 W typical 85% Efficient PSU (80 PLUS Bronze) 200 W typical 92% Efficient PSU (80 PLUS Platinum)	65 W, 4.5 mm external PSU (for 35W CPU)

Recommended accessories

Monitors: Qualified with select Dell UltraSharp, Professional, and E-series monitors
Keyboards: 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 (Coming Soon)

Productivity Software

Microsoft® Office 30 Day Trial
Microsoft® Office Home and Business 2019
Microsoft® Office Professional 2019

Software Security

Absolute Control (Pro) 1 Year, Absolute Control (Pro) 3 Years, Absolute Resilience (Prem) 3 Years,
Absolute Resilience 1 Year, Absolute Visibility (Std) 1 Year, Absolute Visibility (Std) 3 Years
Dell Encryption Enterprise 1 Year, Dell Encryption Enterprise 2 Years, Dell Encryption Personal 1 Year,
Dell Encryption Personal 3 Years, Emergency Incident Response, Encryption-SED HDD (Opal FIPS), Endpoint Detection and Response (EDR),
Incident Management Retainer, 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,
Local HDD data wipe via BIOS ("Secure Erase"), Managed Endpoint Detection and Response,
McAfee® Small Business Security 12-month subscription, McAfee® Small Business Security 30 Day Free Trial,
McAfee® Small Business Security 36 month Subscription, Next Generation Antivirus (NGAV) OpenXT validation required,
SafeData, SafeGuard and Response (powered by VMware Carbon Black and Secureworks),
Support of Absolute Persistent Module BIOS agent v2, Threat Detection and Response (TDR),
VMware Carbon Black Cloud Endpoint Standard NGAV, B-EDR, 1 Year,
VMware Carbon Black Cloud Endpoint Standard NGAV, B-EDR, 3 Years,
VMware Carbon Black Cloud Endpoint Standard NGAV,B-EDR+Secureworks TDR (Data center housed in US) 1 Year,
VMware Carbon Black Cloud Endpoint Standard NGAV,B-EDR+Secureworks TDR (Data center housed in US) 3 Years

Hardware Security

SafeBIOS: includes Dell Off-host BIOS Verification, BIOS Resilience, BIOS Recovery, and additional BIOS Controls; SafeID credential protection;
Trusted Platform Module (TPM) 2.0[7], Microsoft® Windows 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), China TPM, Intel® Secure Boot, Intel® Authenticate, **Physical Security Options:** 1 Kensington security-cable slot, 1 Padlock loop, Chassis lock slot support, Chassis Intrusion Switch, Lockable Cable Covers, Smart Card Keyboard (FIPS)

Systems Management Options

Dell Client Command Suite for In-Band Systems Management

Regulatory[9,10]

EPEAT registered configurations available, ENERGY STAR qualified configurations available, CEL, WEEE, Japan Energy Law, South Korea E-standby, South Korea, Eco-label, EU RoHS, China RoHS

Warranty

3 Years Hardware Service with Onsite/In-Home Service after Remote Diagnosis[11], warranty extensions up to 5 years
ProSupport with Next Business Day Onsite Service is available to complement certain warranty options
ProSupport Plus for Client is available to complement certain warranty options.[12]

Accidental Damage Services[13]

Accidental Damage Service is available to complement certain warranty options from 3-5 years

Configuration Services

Factory Image load, BIOS Customization, Hardware Customization, Asset Tagging and Reporting.

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