



Versatile business desktops designed for ultimate performance.

OptiPlex 7050 Tower, Small Form Factor and Micro



Power your success

Intel® 7th generation processors with optional vPro™ allow for the fastest OptiPlex yet



Ultimate versatility

Adaptable, compact designs allow you to maximize your environment with custom mounts and stands



Easy access

Tool-less design and simple removeable side panel to service and expand with ease



Serious security

Dell's Endpoint Security Suite, out of band management with Intel® vPro™ technology and lockable cable covers keep threats out of your workspace

Features & Technical Specifications



Feature	7050 Tower/Small Form Factor/Micro Technical Specifications	
Processor¹	Intel® 7th generation Core™ i3 Dual Core, Core™ i5-i7 Quad Core (up to 65W); supports Windows 10/Linux Intel® 6th generation Core™ i3 Dual Core, Core™ i5-i7 Quad Core (up to 65W); supports Windows 7/8.1/10/Linux	
Chipset	Intel® Q270 Chipset	
Operating System¹	Microsoft® Windows 7 Pro (32/64-bit) with Windows 10 Pro License (requires Intel® 6th generation processors) Microsoft® Windows 7 Embedded (OEM only) Microsoft® Windows 10 Home (64-bit) Microsoft® Windows 10 Pro (64-bit) Microsoft® Windows 10 Embedded (OEM only) Ubuntu® 16.04 LTS (64-bit) Neokylin® v6.0 (China only)	
Graphics Options²	Integrated Intel® HD Graphics 610/630 (Intel® 7th generation processors) Integrated Intel® HD Graphics 510/530 (Intel® 6th generation processors) Supports optional discrete graphics Tower/Small Form Factor: AMD Radeon™ R5 430 1GB/2GB, AMD Radeon™ R7 450 4GB	
Memory^{2,3}	4 DIMM slots Tower/Small Form Factor, 2 SODIMM slots Micro. Maximum memory is 64GB on Tower/Small Form Factor, 32GB on Micro. Non-ECC dual-channel 2400MHz DDR4 SDRAM (2133MHz performance on Intel® 6th generation processors)	
Networking Note: The integrated Intel® i219-LM Ethernet or Intel® 8265 wireless card is required to support Intel® vPro™ Technology	Tower/Small Form Factor: Integrated Intel® i219-LM Ethernet LAN 10/100/1000; supports optional PCIe 10/100/1000 network card; optional wireless: Intel® 8265 802.11ac+ Bluetooth 4.2 ¹⁴ card Micro: Integrated Intel® i219-LM Ethernet LAN 10/100/1000; optional wireless Intel® 8265 M.2 802.11ac +Bluetooth 4.2 ¹⁴ card	
I/O Ports	Tower: Serial + Parallel Port PCIe Card Small Form Factor: Serial Port PCIe Card, Parallel Port PCIe Card Tower/Small Form Factor: USB-C 3.1 PCIe Card, 2nd Intel® Gigabit NIC PCIe Card, Aquantia® AQtion™ AQN-108 5/2.5 GbE NIC Adapter, 10 External USB: 6 x USB 3.1 Gen 1 (1 USB Type-C™ for data only and 1 Type-A front/4 Type-A rear) and 4 x USB 2.0 (2 Type-A front/2 Type-A rear - 1 front with PowerShare); 4 Internal USB 2.0; 1 RJ-45; 1 Serial; 2 Display Port 1.2; 1 HDMI 1.4; 2 PS/2; 1 UAJ, 1 Line-out; 1 VGA (optional) Micro: 6 External USB 3.1 Gen 1 (1 USB Type-C™ for data only and 1 Type-A front/4 Type-A rear - 1 front with PowerShare); 1 RJ-45; 1 HDMI 1.4; 1 Display Port 1.2; 1 UAJ (front); 1 Line-out (front); additional Display Port 1.2 (optional); 1 VGA (optional); Serial+PS2 (optional); Serial (optional)	
Security Options	Trusted Platform Module ⁶ TPM 1.2 or 2.0, Dell Data Protection Encryption, Microsoft Windows BitLocker, Local HDD data wipe via BIOS ("Secure Erase"), Encryption - SED HDD (Opal FIPS), Chassis lock slot support, Lockable Port Cover, Chassis Intrusion Switch, D-Pedigree (Secure Supply Chain Functionality), Setup/BIOS Password, Optional Smart Card keyboards, Intel® Trusted Execution Technology, Intel® Identity Protection Technology, firmware support for optional Absolute Data & Device Security (formerly Computrace) ⁷ , Intel Software Guard eXtensions	
Storage⁴ Options (internal)	Hard disk drives: up to 2TB Solid State Drives: up to 1TB Supports Hybrid, Opal SED FIPS, M.2 SATA Solid State Drive and M.2 PCIe Solid State Drive RAID 0 & 1 support on select configurations (Tower/Small Form Factor only) 16GB Intel® Optane™ Memory support with select hard drives Dual storage support	Environmental, Ergonomic, & Regulatory Standards Environmental Standards (eco-labels): ENERGY STAR 6.1 qualified, EPEAT Registered ⁹ , TCO Certified, CEL, WEEE, Japan Energy Law, South Korea E-standby, South Korea Eco-label, EU RoHS, China RoHS ¹⁴ . Please see your local representative or www.dell.com for specific details.
Removable Media Options	Supports optional optical disc drives and media card reader (Tower/Small Form Factor only)	Configuration Services Factory image load. BIOS customization. Hardware customization, asset tagging and reporting.
Systems Management Options⁸	Dell Client Command Suite for in-band systems management, Intel® Standard Manageability or Intel® vPro™ for out-of-band systems management	Warranty Limited hardware warranty ¹¹ ; standard 3-year on-site service after remote diagnosis ¹² (3-3-3); Optional 3 year Dell ProSupport offers premium support from expert technicians and 24x7 availability ¹³ .

Chassis

	Tower	Small Form Factor	Micro
Dimensions (H x W x D) (inches/cm)	13.8 x 6.1 x 10.8 / 35 x 15.4 x 27.4	11.4 x 3.7 x 11.5 / 29.0 x 9.26 x 29.2	7.2 x 1.4 x 7.0 / 18.2 x 3.6 x 17.8
Min. Weight (lbs/kg)	17.49 / 7.93	11.57 / 5.26	2.60 / 1.18
Number of Bays	1 internal 3.5" HDD (convertible to 5.25" ODD) 2 internal 2.5" HDD 1 internal slim ODD	1 internal 3.5" HDD (convertible to 2 2.5" HDD) 1 internal slim ODD	1 internal 2.5" bay
Expansion Slots	1 full height PCIe x16 1 full height PCIe x16 (wired x 4) 1 full height PCIe x1 1 full height PCI 1 M.2 (22x80mm or 22x42mm)	1 half height PCIe x16 1 half height PCIe x4 (open ended) 1 M.2 (22x80mm or 22x42mm)	1 M.2 (22x30mm) 1 M.2 (22x80mm or 22x42mm)
Power Supply^{1,5} Unit (PSU)	240W typical 85% Efficient PSU (80 PLUS Bronze) ENERGY STAR complaint, Active PFC 240W typical 92% Efficient PSU (80 PLUS Platinum); ENERGY STAR complaint, Active PFC	180W typical 85% Efficient PSU (80 PLUS Bronze) ENERGY STAR complaint, Active PFC 180W typical 92% Efficient PSU (80 PLUS Platinum); ENERGY STAR complaint, Active PFC	65W external adapter with 87% minimum average efficiency for use with 35W processors, 130W external adapter with 87% minimum average efficiency for use with 65W processors

Essential Accessories

OptiPlex 7050 Tower, Small Form Factor and Micro



Dell OptiPlex
Small Form Factor
All-in-One Stand



Dell OptiPlex Micro
All-in-One Stand



Dell OptiPlex Micro
DVD+/-RW
Drive Enclosure



Dell OptiPlex Micro
VESA Mount



Dell OptiPlex Micro
All in One Mount for
E-Series Displays



Dell Pro Stereo
Headset UC350



Dell OptiPlex Tower
or Small Form Factor
Cable Cover



Dell Wireless
Keyboard and
Mouse KM636



Dell UltraSharp
24 InfinityEdge
Monitor U2417H



Dell 24 Monitor
P2417H





Versatile business desktops designed for ultimate performance.

OptiPlex 7050 Tower, Small Form Factor and Micro

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

1. Offering and availability may vary by region. Offering may vary by region. Some items available after product introduction. For complete details, refer to the Technical Guidebook published on dell.com.
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. Storage: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less
5. PSU: This form factor utilizes a more efficient Active Power Factor Correction (APFC) power supply. Dell recommends only Universal Power Supplies (UPS) based on Sine Wave output for APFC PSUs, not an approximation of a Sine Wave, Square Wave or quasi-Square Wave (see UPS technical specifications). If you have questions please contact the manufacturer to confirm the output type.
6. TPM: TPM is not available in all regions.
7. Absolute Data & Device Security (formerly Computrace): Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.ijackforlaptops.com.
8. Systems Management Options:
 - Intel® vPro Technology - Fully vPro-capable at point of purchase; the vPro systems management option requires vPro processors. Includes support for Intel Advanced Management Technology (AMT) 11.0.
 - Intel® Standard Manageability - Fully enabled at point of purchase, the Intel Standard Management option is a subset of the AMT features. ISM is not upgradeable to vPro technology post-purchase.
 - No Out-of-Band Systems Management - This option entirely removes Intel out-of-band systems (OOB) management features. The system can still support in band management. OOB management support through AMT cannot be upgraded post-purchase.
9. Please refer to www.epeat.net for specific country registration rating and participation.
10. OptiPlex 7050 Micro is brominated flame retardant free (BFR-free) and polyvinyl chloride free (PVC-free); meeting the definition of BFR-/PVC-free as set forth in the iNEMI Position Statement on the 'Definition of Low-Halogen Electronics (BFR-/CFR-/PVC-free)'. Plastic parts contain less than 1,000 ppm (0.1%) of bromine (if the Br source is from BFRs) and less than 1,000 ppm (0.1%) of chlorine (if the Cl source is from CFRs or PVC or PVC copolymers). All printed circuit board (PCB) and substrate laminates contain bromine/ chlorine total less than 1,500 ppm (0.15%) with a maximum chlorine of 900 ppm (0.09%) and maximum bromine being 900 ppm (0.09%). Pending final validation.
11. 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.
12. Onsite 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.
13. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.
14. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality
15. For a complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information <http://www.dell.com/support/home/us/en/19>.