OptiPlex 3050 Tower/Small Form Factor/Micro Technical Specifications

Processors[1]	Intel ® 7th generation Celeron, Pentium and Core™ i3 Dual Core, Core™ i5 Quad Core (up to 65 W Tower/SFF, 35 W Micro) Intel ® 6th generation Celeron, Pentium and Core™ i3 Dual Core, Core™ i5 Quad Core (up to 65 W Tower/SFF, 35 W Micro)
Chipset	Intel® B250 Chipset
Operating System Options[1]	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 (64-bit) NeoKylin 6.0 (China only)
Video[2]	Integrated Intel® HD Graphics 610/ 630 (Intel® 7th generation CPUs) Integrated Intel® HD Graphics 510/ 530 (Intel® 6th generation CPUs) Supports optional discrete graphics Tower/SFF: 1GB/2GB AMD Radeon™ R5 430, 4GB AMD Radeon™ R7 450
Memory [2,3]	2 DIMM slots (2 SODIMM slots for Micro); Non-ECC dual-channel 2400MHz DDR4 SDRAM. Max memory 32GB. Memory performance on Intel® 6th generation processors will be at 2133MHz.
Networking	Integrated Realtek® RTL8111H Ethernet LAN 10/100/1000 Optional wireless: Intel® 8265 802.11ac+ Bluetooth 4.214 card; Intel ® 3165 802.11ac+ Bluetooth 4.214 card
I/O Ports	Tower/SFF: 8 External USB: 4 x 3.0 (2 front/2 rear) and 4 x 2.0 (2 front/2 rear); 2 Internal USB 2.0; 1 RJ-45; 1 Display Port 1.2; 1 HDMI 1.4; 1 UAJ, 1 Line-out; 1 VGA (optional); Serial+PS/2 (optional) Micro: 6 External USB: 4 x 3.0 (2 front/2 rear) and 2 x 2.0 (2 rear); ; 1 RJ-45; 1 HDMI 1.4; 1 Display Port 1.2; 1 UAJ (front); 1 Line-out(front); additional DisplayPort 1.2 (optional); 1 VGA (optional); Serial+PS2 (optional); Serial (optional)
Removable Media	Supports optional optical disc drives and media card reader (Tower/SFF only)
Storage Options (Internal)[4]	Hard disk drives: up to 2 TB; solid state drives: up to 512 GB. Dual storage support Supports Hybrid, Opal SED FIPS, M.2 PCIe Solid State Drive

Chassis		Tower	Small Form Factor	Micro
	Dimensions (H x W x D)	13.8" x 6.1" x 10.8"	11.4" x 11.5" x 3.7"	7.2" x 7.0" x 1.4"
	Dimensions (H x W x D) (cm)	35 x 15.4 x 27.4	29.0 x 29.2 x 9.26	18.2 x 17.8 x 3.6
	Min. Weight (lbs/kg)	17.49 / 7.93	11.31 / 5.14	2.58 / 1.17
	Number of Bays	1 internal 3.5" HDD 2 internal 2.5" HDD 1 external slim ODD	1 internal 3.5" HDD (convertible to 2 2.5" HDD) 1 external slim ODD	1 internal 2.5" bay
	Expansion Slots	1 full height PCIe x16 3 full height PCIe x1 1 M.2 (22x80mm or 22x42mm)	1 half height PCIe x16 1 M.2 (22x80mm / 22x42mm) 1 half height PCIe x1	1 M.2 (22x30mm) 1 M.2 (22x80mm / 22x42mm)
	Power Supply[1,5]	Standard 240W PSU Active PFC 240W typical 85% Efficient PSU (80 PLUS Bronze) ENERGY STAR compliant, Active PFC 240W typical 92% Efficient PSU (80 PLUS Platinum); ENERGY STAR compliant, Active PFC	Standard 180W PSU Active PFC 180W typical 85% Efficient PSU (80 PLUS Bronze) ENERGY STAR compliant, Active PFC 180W typical 92% Efficient PSU (80 PLUS Platinum); ENERGY STAR compliant, Active PFC	65W external adapter with 87% minimum average efficiency for use with 35W processors,

Peripheral accessories	Monitors: qualified with select Dell UltraSharp, Professional, and E series monitors
	Micro Mounting Options: Vertical Stand, VESA Mount, Dual VESA Mount, All in One Mount, Console with DVD-RW, All in One Mount for E Series Displays, Micro DVD+/-RW Enclosure, Micro All-in-One Stand. Small Form Factor mounting option: Small Form Factor All-in-One Stand
	Keyboards: Dell wired keyboard with multimedia functionality, Dell Smart Card keyboard, Dell wireless keyboard
	Mouse: Dell wired mouse, Dell wireless mouse, Dell Laser mouse
	Audio Speakers: Internal Dell Business audio speaker, Dell stereo speaker systems available; Dell sound bar for select flat-panel displays. Dell Wireless Speaker System available.
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, Dell Secure Works, BIOS support optional Computrace 7 , Intel Software Guard eXtensions
Systems Management Options8	Dell Client Command Suite for In-Band Systems Management
Environmental, Ergonomic & Regulatory Standards	Environmental Standards (eco-labels): ENERGY STAR 6.1 qualified, EPEAT Registered9, CEL, WEEE, Japan Energy Law, South Korea E-standby, South Korea Eco-label, EU RoHS, China RoHS Please see your local representative or www.dell.com for specific details.
Warranty	Limited Hardware Warranty10; Standard Next Business Day On Site Service after Remote Diagnosis11 ; Optional 3 year Dell ProSupport offers premium support from expert technicians and 24x7 availability12.
Configuration Services	Factory Image load. BIOS Customization. Hardware Customization, Asset Tagging and Reporting.

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1. Offering and availability may vary by region. Some items available after product introduction. For complete details, refer to the Technical Guidebook published on www.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: Not available in all regions.
7. Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.lojackforlaptops.com.
8. In-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. 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.
11. 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.
12. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.
13. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality