

# OPTIPLEX 980 DESKTOP



The OptiPlex 980 is Dell's most powerful, expandable desktop solution designed for challenging, complex IT environments. With an up to 35% increase in performance over prior generations of OptiPlex desktops, the OptiPlex 980 delivers the kind of premier technology that can simplify systems management, minimize power consumption and help build a better enterprise. The OptiPlex 980 equips your workforce with more productivity tools such as advanced Intel® Core™ i7 Quad processors featuring generous high-speed memory options and support for up to four simultaneous video displays. OptiPlex 980 users can leverage the exclusive OptiPlex ON for instant read access to Outlook. Advanced Intel® vPro™ remote management technology, along with the vPro KVM Remote Control feature expands management capabilities. A robust range of security options allows security configuration to meet unique business needs. Only OptiPlex 980 can optimize the work environment with its exclusive EcoKit that reduces system noise by 50% and delivers a 25% recycled system content.

## TECHNOLOGY THAT DRIVES BUSINESS EFFICIENCY

Offering premier-class stability and performance over its 15-month system lifecycle, the OptiPlex 980 can drive efficiency across your organization while providing a low total cost of ownership.

- **Power for Productivity** With next-generation Intel® Core™ i7 or i5 processors and powerful DDR3 memory, the OptiPlex 980 provides up to a 35% performance increase over previous-generation OptiPlex systems.<sup>4</sup>
- **Quiet Performance:** Minimize disturbances across the workgroup with an OptiPlex EcoKit which is designed to reduce system noise by up to 50%.
- **Advanced Display Capabilities:** Work on more at once with dual PCIe discrete-graphics options and support for up to 4 simultaneous displays. (Mini Tower and Desktop only.)
- **Information that's always ON:** OptiPlex ON technology can reduce lags in productivity by giving end users instant read access to Microsoft Outlook prior to full system boot.

## MANAGEMENT THAT EMPOWERS IT

Whether your workforce is local, national or global, the Dell OptiPlex 980 offers easy serviceability and advanced management capabilities that can help IT work at peak efficiency.

- **Advanced "Remote Control":** Intel® vPro™ remote-management capability can reduce the need for software-related desk-side visits<sup>1</sup> With integrated Intel® KVM, IT can resolve issues by remotely controlling a user's keyboard, video and mouse.
- **Easy Routine Maintenance:** Tool-less chassis design provides easy access to internal hardware, while DirectDetect troubleshooting LEDs enable quick diagnosis of hardware issues.
- **Dell Software Solutions:** The Dell Update Catalog for Microsoft System Center can save time by automating basic system updates. With Dell Client Manager, IT can also automate common tasks associated with owning client systems.
- **Customizable Dell Services:** Dell offers a portfolio of specialized services<sup>2</sup> to empower IT. Choose Dell Automated Deployment to shave time off the deployment process; reduce downtime with Dell ProManage-Managed Services; and design your own level of support with Dell ProSupport<sup>2</sup> for End Users or Dell ProSupport<sup>2</sup> for IT.

## ENERGY-EFFICIENT DESIGN, ENVIRONMENTAL RESPONSIBILITY

With its energy-efficient, environmentally conscious design, the OptiPlex 980 reflects the potential benefits not just to your operations and your bottom line, while considering the planet as well.

- **Efficient by Design:** The OptiPlex 980 helps to reduce energy costs through features such as Dell Energy Smart power settings and optional 90% efficient power-supply units.
- **High Environmental Standards:** Select configurations of the OptiPlex 980 qualify for an EPEAT® Gold rating.
- **ENERGY STAR® Compliance:** As an ENERGY STAR-compliant partner, Dell has designed select configurations of the OptiPlex 980 to comply with ENERGY STAR 5.0 standards for energy efficiency.

# OptiPlex 980 Technical Specifications

<b>Processor Options*</b>	Intel® Core™ i7 Processor 8xx (8M, VT-x, VT-d, TXT, vPro™) Intel® Core™ i5 Processor 7xx (8M, VT-x, Turbo Boost) Intel® Core™ i5 Processor 6xx (4M, VT-x, VT-d, TXT, HT, Turbo Boost, vPro™) Intel® Core™ i3 Processor 5xx (4M, HT) Intel® Pentium Processor G6950/ 2.80GHz, 3M *Processor families qualified on the OptiPlex 980 are listed above. Processors offered may vary by region and include a select list of the ones qualified.			
<b>Chipset</b>	Intel® Q57 Express Chipset			
<b>Operating System Options</b>	Microsoft® Windows® 7 Home Basic 32-bit (select countries); Microsoft® Windows® 7 Home Premium 32-bit ; Microsoft® Windows® 7 Professional 32-bit and 64-bit; Microsoft® Windows® 7 Ultimate 32-bit Microsoft® Windows Vista® Home Basic 32-bit; Microsoft® Windows Vista® Business 32-bit and 64-bit; Microsoft® Windows Vista® Ultimate 32-bit; Microsoft® Windows® XP Professional 32-bit Downgrade via Windows® 7 Professional or Ultimate 32-bit Microsoft® Windows XP® Professional 32-bit Downgrade via Windows Vista® Business or Ultimate 32-bit Microsoft® Windows Vista® 32-bit Business Downgrade via Windows® 7 Professional 32-bit Microsoft® Windows Vista® Ultimate 32-bit Downgrade via Windows® 7 Ultimate Ubuntu® Linux® (select countries); FreeDOS for N-series			
<b>Graphic Options</b>	Integrated Intel® Graphics Media Accelerator HD* 256MB ATI® RADEON® HD 3450 (dual DVI or dual VGA options)*; 256MB ATI RADEON HD 3470* (dual DP or DP/DVI options); 512MB NVIDIA NVS420 (SFF only, quad DP or quad DVI options)*; 256MB NVIDIA GeForce 9300 (dual DVI or dual VGA options), 512MB ATI RADEON HD 4550* (DP/ DVI); 1GB NVIDIA GeForce GT330* (MT only, DP/DVI)			
<b>Memory Options</b>	Four DIMM slots; Non-ECC dual-channel 1333MHz DDR3 SDRAM*, up to 16GB*			
<b>Networking</b>	Integrated Intel® 82578DM GbE Ethernet LAN 10/100/1000; optional Broadcom® 1520 PCIe WLAN card (802.11 N)			
<b>Standard I/O Ports</b>	MT- 10 USB 2.0 ports, 4 front, 6 rear (+ 2 internal flex bay); 1 Parallel; 1 Serial; 1 RJ-45; 1 VGA; 1 Display Port; 1 eSATA; 2 Line-in (stereo/microphone); 2 Line-out (headphone/speaker) DT/SFF- 8 USB 2.0 ports, 2 front, 6 rear (+ 2 internal flex bay); 1 Parallel; 1 Serial; 1 RJ-45; 1 VGA; 1 Display Port; 1 eSATA; 2 Line-in (stereo/microphone); 2 Line-out (headphone/speaker)			
<b>Hard Drive Options</b>	3.5" Hard Drives: up to 500GB* 7200 RPM SATA 3.0GB/s, up to 160GB* 10K RPM SATA 3.0GB/s 2.5" Hard Drives: up to 320GB* 7200 RPM SATA 3.0GB/s, up to 250GB* SATA Full Disk Encryption, up to 128GB* SATA Solid State Drive Supports Dell's Flexible Computing Solution diskless option RAID 0 & 1 support on select configurations			
<b>Chassis Options</b>		<b>MINITOWER</b>	<b>DESKTOP</b>	<b>SMALL FORM FACTOR</b>
	<b>Dimensions (H x W x D) Inches/(cm)</b>	Height: 15.79/40.10 cm Width: 7.36"/18.70 cm Depth: 17.24"/43.79 cm	Height: 15.35"/38.99cm Width: 4.41"/11.20 cm Depth: 13.66"/34.70 cm	Height: 11.81"/29.99 cm Width: 3.46"/8.78 cm Depth: 12.87"/32.69 cm
	<b>Weight (lbs/kg)</b>	25.3lbs/ 11.4kg	16.5lbs / 7.5kg	13.0lbs / 5.9kg
	<b>Number of Bays</b>	2 internal 3.5" 1 external 3.5" 2 external 5.25"	1 internal 3.5" 1 external 3.5" 1 external 5.25"	1 internal 3.5" 1 external 3.5" (slimline) 1 external 5.25" (slimline)
	<b>Expansion Slots</b>	2 full height PCIe x16 ( 1 slot routed as x4); 2 full height PCI	2 low-profile PCIe x16 ( 1 slot routed as x4); 2 low-profile PCI ( Dual riser adds 2 PCI full height (FH) slots, Combo Riser adds 1 PCI FH slot and 1 PCIe x16 FH slot)	1 low-profile PCIe x16; 1 low-profile PCI
	<b>DIMM Slots</b>	4	4	4
	<b>Power Supply Unit (PSU)</b>	305W Standard PSU or optional 255W 90% Efficient PSU, Active PFC	255W Standard PSU or optional 255W 90% Efficient PSU, Active PFC	235W Standard PSU or optional 235W 90% Efficient PSU, Active PFC
<b>Peripheral Options</b>	<b>Monitors:</b> <b>Dell G-Series and Entry Standard and Widescreen Flat Panel Analog:</b> Dell G2210, G2410, E170S, E190S, E1709W, E1909WDD, E1910H, E1910, E2010H, E2009W, E2210H, E2210, E2310H <b>Dell Professional Digital Standard and Widescreen Flat Panel:</b> Dell P170S, P190S, 1909W, 2009W, P2010H, P2210H, P2210, P2310H <b>Dell UltraSharp™ Digital Standard and Widescreen Flat Panel, Adjustable Stand:</b> Dell 1907FPV, 2007FP, 2209WA, U2410 <b>All-in-One Small Form Factor Stand with Display included:</b> 19" P190S Standard, 19" 1909W Wide and 22" P2210 Wide (includes SFF cable cover)			
	<b>Keyboards:</b> Dell QuietKey™ Keyboard, Dell Multimedia Pro Keyboard, Dell Smartcard Keyboard			
	<b>Mouse:</b> Dell USB Optical Mouse, Dell Laser Mouse			
	<b>Audio Speakers:</b> Audio Speakers: Internal Dell Business audio speaker, Dell AX210 2.0 and AY410 2.1 Desktop Speakers; Dell AX510 and AX510PA Sound Bar Speakers			
<b>Security Options</b>	Trusted Platform Module (TPM) 1.2, Non-TPM (in select countries only), Dell ControlPoint, Chassis lock slot and lock loop support, optional Chassis Intrusion Switch, Setup/BIOS Password, I/O Interface Security, Smart Card keyboards, Intel® Trusted Execution Technology, BIOS support for optional CompuTrace®*			
<b>Systems Management Options</b>	Intel® Core i7/i5 vPro Technology Enabled (iAMT Professional 6.x)* Intel® Standard Manageability (iAMT Professional 6.x)* No Out-of-Band Systems Management *			
<b>Environmental and Regulatory Standards</b>	<b>Environmental Standards (eco-labels):</b> ENERGY STAR® 5.0 (select configurations), EPEAT Gold (select configurations), CECP, TCO 05, WEEE, Japan Energy Law, CES, Japan Green PC, FEMP, South Korea Eco-label, EU RoHS, China RoHS <b>Other Environmental Options:</b> Dell Energy Smart settings (select configurations); Carbon Off-set; System Recycle (Asset Recovery Service)			
<b>Warranty and Service Options</b>	Limited Hardware Warranty*; Standard 3-year Next Business Day On Site Service after Remote Diagnosis* (3-3-3); Optional 3-year Dell ProSupport™ for IT*; 4 year and 5 year extended warranty, service and support options			

**System Memory and Graphics:** Significant system memory may be used to support graphics, depending on system

1 For more information, see <http://www.intel.com/technology/business>

2 Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions).

3 TPM is not available in all regions.

4 Based on Sysmark scores comparing an OptiPlex 980 with Intel Core i5 650 processor to an OptiPlex 960 with Intel Core 2 Duo e6500 processor. Actual performance results will vary based on configuration and manufacturing variability.

5 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.

**\*Important Information:**

**System Memory and Graphics:** Significant system memory may be used to support graphics, depending on system memory size and other factors.

4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

Hard Drive: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

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](http://www.dell.com/warranty).

Systems Management Options:

•Intel® vPro Technology Enabled - Fully enabled at point of purchase, the vPro sku requires vPro cpu's.

•Intel® Standard Manageability - Fully enabled at point of purchase, the Intel Standard Management option provides some of the features of vPro except those options which are processor specific.

•No Out-of-Band Systems Management - This option removes out of band systems mgmt features. The system can still be managed in band but not out of band. Out of band management support cannot be added at a later date.

