

# DELL™ OPTIPLEX™ 960



Professional users seeking a sophisticated, powerful desktop need to look no further than the OptiPlex 960. The stylish new OptiPlex 960 delivers advanced technologies to tackle any challenge without missing a beat. The OptiPlex 960 is available with top-of-the-line Intel® Processors, generous memory options, native support for dual high-resolution displays, and a diskless option to support flexible computing environments. These are just a sampling of the built-in productivity options available. Protect your systems and data with a choice of leading-edge hardware and software security options. Rest easy knowing IT professionals will have the system management tools they need, including next-generation Intel® vPro™ technology. Also, Dell global service and support options cover systems from acquisition to asset retirement. Performance at the OptiPlex 960 level is just one of the reasons Dell is a world leader in business desktops — and why OptiPlex is the easiest choice you'll make today.



## OPTIPLEX MEANS BUSINESS

The OptiPlex 960 delivers serious performance in a scalable platform you can build a business on:

- Long-range planning support with up to a 24-month lifecycle, stable images, and managed transitions
- Horsepower for your users' demanding applications with options including the Intel® Core™2 Quad Processor
- Advanced manageability tools for IT, including next generation Intel® vPro™ technology
- Smaller redesigned chassis including space-saving all-in-one option

## OPTIPLEX SECURITY

From hardware to software, from local to remote, the OptiPlex 960 gives you the power to choose your level of security:

- Isolate system threats and protect your network infrastructure with Intel vPro client isolation features
- Protect sensitive data with optional full disk encryption hard drives
- Built-in TPM 1.2 helps protect the network from unauthorized access while enabling multi-factor authentication via optional Smart Card Reader and/or fingerprint reader (note: May not be available in some countries)

## OPTIPLEX IS EASY TO OWN

Productivity meets manageability in the OptiPlex 960, with a suite of highly customizable global service and support options throughout the PC lifecycle. For users and IT professionals alike, the OptiPlex 960 is easy to own, offering:

- Remote systems repair reducing desk-side visits with Intel vPro technology
- Faster repairs for users with Intel vPro Fast Call for Help technology enabling end-user initiated remote support
- Ease of deployment with the OptiPlex 960's support for optional integrated wireless networking
- Time-saving tool-less cover removal for access to tool-less internal components

## OPTIPLEX GETS GREEN

Dell is committed to being the greenest PC company on the planet. And the OptiPlex 960 delivers, enabling you to:

- Help reduce power consumption — and cost — with Dell's power supply, which is up to 90% efficient
- Enjoy a quieter workplace with Dell's ultra-silent QuietKit noise-reduction solution
- Reduced environmental impact with systems built with 10% post-consumer recycled content\*
- Minimize power usage with Dell EnergySmart power management technology and Intel's energy-efficient processors
- Demonstrate environmental sensitivity with the OptiPlex 960's Energy Star, EPEAT-Gold, TCO, and Blue Angel certification



OptiPlex™ 960 Technical Specifications				
<b>Processor Type</b>	Q9000 Series Intel® Core™2 Quad 12M, 1333 FSB Q9000 Series Intel® Core™2 Quad 6M, 1333 FSB E8000 Series Intel® Core™2 Duo 6M, 1333 FSB			
<b>Chipset</b>	Intel® Q45 Express Chipset w/ ICH10D0			
<b>Operating System</b>	Microsoft® Windows Vista® Business (32 & 64 bit); Microsoft® Windows Vista® Ultimate; Microsoft® Windows® XP Professional via Downgrade option; Novell® SLED (China only)			
<b>Video</b>	Intel® Graphics Media Accelerator 4500; DVI adapter card; 256MB ATI® RADEON™ HD 3450 dual DVI or dual VGA via cable adapters plus S-video output; 256MB ATI RADEON HD 3470 dual DisplayPort output; 256MB NVIDIA® GeForce® 9300GE Dual Monitor DVI/VGA, 512MB NVIDIA NVS 420 Quad Monitor DisplayPort/DVI			
<b>Memory</b>	Four DIMM slots; Non-ECC dual-channel 800MHz DDR2 SDRAM, supporting 1GB to 8GB			
<b>Networking</b>	Integrated 10/100/1000 Ethernet (Intel WG82567LM LOM); Optional Intel® Wi-Fi® 5300 Link Half Mini-Card			
<b>Standard I/O Ports</b>	12 USB 2.0 ports, 4 front, 6 rear (+ 2 internal flex bay) MT; 10 USB 2.0 ports, 2 front, 6 rear (+ 2 internal flex bay) DT and SFF; 1 RJ-45; 2 PS2; 1 VGA; 1 Display Port; 1 serial; 1 parallel; 1 ESATA; 2 Line-in (stereo/microphone); 2 Line-out (headphone/speaker)			
<b>Hard Drives</b>	3.5" - 80GB, 160GB, 250GB, and 320GB 7200 RPM SATA II, 3.0GB/s drives; 80GB and 160GB 10K RPM SATA II 3.0GB/s drives; 2.5" - 80GB and 160GB 7200RPM drives, 160GB Full Disk Encryption drive; 64GB Solid State drives; diskless option without hard drive available to support flexible computing environments			
<b>Chassis</b>	<b>Dimensions</b> (H x W x D)	<b>MINI TOWER</b> 16.06"/ 7.36" x 16.96" 40.80 cm x 18.70 x 43.08 cm	<b>DESKTOP</b> 15.66x 4.30"x 13.70" 39.65 cm x 10.9 cm x 34.8 cm	<b>SMALL FORM FACTOR</b> 11.40" x 3.35"/x 12.74" 28.9 cm x 8.52 cm x 32.36 cm
	<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>	1 full height PCIe x16 1 full height PCIe x1 2 full height PCI	1 low-profile PCIe x16 1 low-profile PCIe x1 2 low-profile PCI Optional riser options: Dual Riser: converts to 2 FH PCI Combo Riser: converts to 1 FH PCIe x16 and FH	1 low-profile PCIe x16 1 low-profile PCI12
	<b>Power Supply<sup>1</sup></b>	305W Standard Power Supply; 255W 88% Efficient Power Supply, ENERGY STAR 5.0 compliant, Active PFC	255W Standard Power Supply; 255W 88% Efficient Power Supply, ENERGY STAR 5.0 compliant, Active PFC	235W Standard Power Supply; 235W 90% Efficient Power Supply, ENERGY STAR 4.0 compliant, Active PFC; 235W 90% Efficient Power Supply, ENERGY STAR 5.0 compliant, Active PFC
<b>Peripherals</b>	<b>Monitors</b> <b>Flat Panel Analog:</b> Dell 17" E178FP Flat Panel; Dell 19" E198FP Flat Panel <b>Widescreen Flat Panel Analog:</b> Dell 17" E178WFP Widescreen Flat Panel; Dell 19" E198WFP Widescreen Flat Panel; Dell 20" E207WFP Widescreen Flat Panel; Dell 22" E228WFP Widescreen Flat Panel; Dell 24" E248WFP Widescreen Flat Panel; Dell 19" E1909W Widescreen Flat Panel; Dell 20" E2009W Widescreen Flat Panel; Dell 22" E2209W Widescreen Flat Panel <b>Dell UltraSharp™ Digital Flat Panel, Adjustable Stand, VGA/DVI:</b> Dell UltraSharp 17" 1708FP Flat Panel; Dell UltraSharp 19" 1908FP Flat Panel <b>Dell UltraSharp Digital Widescreen Flat Panel, Adjustable Stand, VGA/DVI:</b> Dell UltraSharp 17" 1708FPW Widescreen; Dell UltraSharp 19" 1908FPW Widescreen; Dell UltraSharp 20" 2009FPW Widescreen; Dell UltraSharp 22" 2209FPW Widescreen; Dell UltraSharp 24" 2408FPW Widescreen <b>All-in-One options:</b> Dell 19", All-in-One, 1909W, AIO Adjustable Stand, OptiPlex 960S; Dell 22", All-in-One, 2208W, AIO Adjustable Stand, OptiPlex 960S			
	<b>Keyboards:</b> Dell USB QuietKey keyboard; Dell Multimedia Pro keyboard; Smart Card Reader, USB keyboard, Bluetooth® Keyboard, and Mouse			
	<b>Mouse:</b> Dell Optical USB Mouse with scroll, Dell Laser Mouse			
<b>Storage</b>	Removable Media Storage Devices: DVD-ROM, CDRW/DVD-ROM, DVD+/-RW			
<b>Security</b>	Trusted Platform Module (TPM) 1.2, Dell ControlPoint, Chassis loop lock support (with cable locks available), Chassis intrusion switch, Setup/BIOS Password, I/O Interface Security, Optional Smart Card and Bio-metric readers, Intel® Trusted Execution Technology			
<b>Systems Management</b>	<b>Hardware Management Options:</b> Intel® vPro™ Technology <b>Software Management Options:</b> Dell Client Management on select models			
<b>Environmental, Ergonomic, and Regulatory Standards</b>	<b>Environmental Standards (eco-labels):</b> CECP, ENERGY STAR 5.0, TCO 05, WEEE, EPEAT GOLD, 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; Plant a Tree Carbon Off-set; Multi-Pack; Package Take Back; Quiet Kit; System Recycle (Asset Recovery Service); Post-consumer recycled content,* Custom Factory Integration Services Services			
<b>Warranty*</b>	Limited Hardware Warranty*; 3-year Dell ProSupport™ for IT and 3-year Next Business Day On Site Service after Remote Diagnosis* (Standard); 4 year and 5 year (Optional)			

## SIMPLIFY DESKTOP COMPUTING AT [DELL.COM/OptiPlex](http://DELL.COM/OptiPlex)

<sup>1</sup>Important Information: \*Post Consumer Recycled Content – available on systems ordered after December 2008. 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 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. 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). Intel, vPro, and Intel Core are trademarks or registered trademarks of Intel Corporation in the U.S. and other countries. Microsoft, MS, Windows, and Windows Vista are registered trademarks of Microsoft Corporation.

<sup>1</sup>This system 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.

