

Dell OptiPlex GX280



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The Dell™ OptiPlex™ GX280 is the next-generation business desktop capable of meeting the needs of a broad range of users in corporate and institutional environments. It uses the relevant next-generation technology, which provides significant performance and maximises platform stability.

Relevant technology introduction

The GX280 features the next-generation Intel® 915G Express chipset and the Intel Pentium® 4 800MHz FSB processors with 1MB L2 cache, supporting Hyper-Threading Technology as well as an integrated PCI-Express Gigabit¹ network connection and dual channel DDR2 shared² memory.

The GX280 will introduce into the desktop PC market innovative features and interfaces that are designed to improve system performance and allow new levels of productivity for corporate clients.

- **PCI Express:** New desktop interface for graphics, networking and I/O. Fast, easily scalable, physically compact, point-to-point interfaces with significantly higher bandwidth than the legacy architectures.
- **Dual Channel DDR2 Shared² Memory:** Latest memory technology, designed to provide increased performance while offering investment protection by minimising memory transitions during the platform lifecycle
- **Integrated serial ATA hard drives:** SATA is designed to offer improved bandwidth that allows for faster and larger hard drives while using smaller cabling to allow better airflow and chassis cooling
- **Latest Intel integrated graphics:** New graphics engine offers a high quality, stable and cost effective graphics solution for current and emerging business applications

The GX280 also provides support for your legacy peripherals by incorporating native serial and parallel ports as well as PS/2 and serial port add-in cards.

A new level of system performance and headroom

The OptiPlex GX280 is designed to increase productivity in your organisation by providing a system performance improvement³ up to five times that of Dell legacy systems and maximising investment protection with the implementation of the latest relevant technology.

The GX280 can also be custom-configured with a broad range of peripherals including new PCI Express X16 graphics cards, DVD+RW⁴ drives, Dell Flat Panel monitors, speakers and peripherals.

A new level of stability

The GX280 continues to maximise platform stability leadership through Dell programmes focused on corporate and institutional customers who standardise on a single image.

Easy to manage

The OptiPlex 280 series provides ready-to-use diagnostics to help minimise downtime.

The diagnostics reside on a small utility partition on the hard drive and can be launched using the F12 key upon boot. The diagnostics are designed to detect specific hardware components, and then run various tests across the component to troubleshoot the problem. These diagnostics, in most cases, can identify the issue as hardware or driver, further simplifying the process and helping to keep downtime to a minimum.



Dell OptiPlex GX280
The future is now

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SYSTEM

Processor	Intel® 915G Express chipset, Intel Pentium® 4 processor with 800MHz front side bus and Hyper-Threading and 1MB L2 cache or Celeron® D processor with 533 MHz front side bus and 256K L2 cache
Dell™ recommends Microsoft® Windows® XP Professional	
Operating Systems	Microsoft® Windows® XP Professional Microsoft Windows XP Home
Memory	Four DIMM slots (SF Chassis only has two); non-ECC dual channel shared ² DDR2 SDRAM system memory (400MHz) up to 4GB ⁶ on the SD and SMT chassis
Video Graphics Controller	Integrated Intel Graphics Media Accelerator 900 [®]
Hard Drive	40, 80, 160 and 250GB 7200RPM serial ATA
EIDE Controller	Integrated two-channel serial ATA 150 controller Integrated ATA/100 dual channel, bus master EIDE hard drive controller Integrated floppy diskette drive support
Network Controller	Broadcom® Gigabit ¹ network connection with support for Remote Wake Up and Alert Standard Format (ASF 1.0)
Standard I/O Ports	Eight USB 2.0 (two front and six rear), one Ethernet (RJ45), one nine-pin serial (16550-compatible), one parallel (25-hole, bi-directional), one VGA out, stereo line-in (minijack), microphone-in (minijack-front), speakers/line-out (minijack) and headphone (minijack-front)

CHASSIS

Vertical Orientation (W x D x H) ..	Small Form Factor 90mm x 354mm x 319mm Small Desktop 108mm x 431mm x 390mm Small Mini-Tower 181mm x 447mm x 425mm
Horizontal Orientation (W x D x H) ..	Small Form Factor 319mm x 354mm x 90mm Small Desktop 390mm x 431mm x 108mm Small Mini-Tower 425mm x 447mm x 181mm
Chassis Weight	Small Form Factor 6.35kg Small Desktop 9.53kg Small Mini-Tower 14.51kg
Power Supply	Small Form Factor 160W Small Desktop 210W Small Mini-Tower 250W & 305W

PERIPHERALS

Monitors	17" E773 (16.0" V.I.S.*) 17" UltraScan™ M783 Flat FST (16.0" V.I.S.) 19" UltraScan M993 Flat FST (17.9" V.I.S.) 22" UltraScan P1230 (21.1" V.I.S.) 15" E153FP Flat Panel (15.0" V.I.S.) 1024 x 768 17" E173FP Flat Panel (17.0" V.I.S.) 1280 x 1024 15" UltraSharp™ 1504FP Flat Panel (15.0" V.I.S.) 1024 x 768 17" UltraSharp 1703FP Flat Panel (17.0" V.I.S.) 1280 x 1024 19" UltraSharp 1905FP Flat Panel (19.0" V.I.S.) 1280 x 1024 20" UltraSharp 2001FP Flat Panel (20.1" V.I.S.) 1600 x 1200
Keyboard (105 Keys)	Dell Enhanced QuietKey™ USB, Enhanced Performance USB, USB Smart Card keyboard
Mouse	Dell USB two-button and Dell USB optical two-button scroll
Speakers	Internal Dell Business Audio speaker, Dell A215, Dell A425

STORAGE DEVICES

Removable Media Storage Devices ..	USB Floppy Drive, CD-ROM, CD-RW/DVD Combo, DVD-ROM and DVD+/-RW ⁴
USB Storage Keys	Dell USB Memory Key 64MB ⁵ , 128MB ⁵ and 256MB ⁵ USB 2.0 full-speed-compliant and bootable

ENVIRONMENTAL, ERGONOMICS AND REGULATORY

Standards	TCO'99, Blue Angel, ENERGY STAR®, BSMI, C-TICK, CE, FCC, IRAM, NEMKO, NFPA 99, SABBS, SASO, TCO, TUV, UL, VCCI, USB 2.0
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SERVICE AND SUPPORT

Base Service	Three-Year Next Business Day On-Site
Optional Service	Custom Factory Integration, Gold Technical Support (GTS), Same Day Response (12x5), On-Site Hardware Support, CompleteCare Accidental Damage, PC Installation Services, Dell Training, Asset Recovery Services



Subject to availability, prices and specifications are correct at the date of publication and may change without notice. Dell's Terms and Conditions of Sale and Service apply and are available on request and at www.euro.dell.com. 1. This term does not connote an actual operating speed of 10bit/sec. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. 2. Up to 128MB of system memory may be allocated to support graphics, depending on system memory size and other factors. 3. Based on the Sysmark® Office Productivity and Ziff Davis' Content Creation 2004 benchmark test performed by Dell Labs in April 2004 on the OptiPlex GX280 with P4 3.2GHz, 512MB, 120GB SATA HDD, WXP as compared with the OptiPlex GX110 configured with P3 700MHz, 128MB, 40GB ATA66 HDD, WXP. Actual performance will vary based on configuration, usage and manufacturing variability. 4. Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. 5. For writable storage devices, MB means 1 million bytes; total accessible capacity varies depending on operating environment. 6. This total amount of usable memory available will be less than 4GB, depending on the actual system configuration. © 2004 Dell Computer Corporation. Dell, the Dell logo, OptiPlex, QuietKey, UltraScan and UltraSharp are registered trademarks or trademarks of Dell Computer Corporation. Intel, Pentium and Celeron are registered trademarks or trademarks of Intel Corporation. Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Sysmark is a registered trademark of Sysmark Information Systems, Inc. Ziff Davis is a registered trademark of Ziff Davis Publishing Holdings, Inc. Broadcom is a registered trademark of Broadcom Corporation. ENERGY STAR is a registered trademark of the United States Environmental Protection Agency. Dell disclaims proprietary interest in the trademarks and names of others.

*V.I.S. means Viewable in Screen

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For detailed environmental information go to:
www.dell.com/environment_datasheets



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