

DELL™ Dimension™ E520



Built to meet your needs

REVIEWERS GUIDE

Dell™ Dimension E520



Get More of What You Want Now and in the Future

The Dimension E520 extends upon the full-featured capability of the Dimension C521 to deliver more slots, bays, and expansion possibilities. Whether you desire to create that rich Media Center PC now or build it later, the Dimension E520 can expand to support your productivity, collaboration, and entertainment requirements.

The Dimension E520 chassis not only looks cool, but also has amazing cooling capacity because of its BTX-based design and Dell QuietCase™ technology. Available with Intel® Celeron® to Intel Core™ 2 Duo processors, internal media card reader, performance graphics, and surround-sound speakers make the Dimension E520 an affordable, great looking, expandable, multi-purpose PC.



Chassis Design Features:

- Dell QuietCase™ BTX-based design for increased thermal headroom
- Sleek Silver & White color scheme
- 2 – internal HDD bay
- 1 - external 5.25" bays
- 1 – external 3.5" bay
- 2 - PCI, 1-PCIe x1, 1-PCIe x16
- 8 - USB 2.0 ports (6 external/2 internal)
- Optional 13 in 1 Media Card Reader
- Front panel headphone and microphone jacks

Choose the Level of Multimedia Performance You Desire

The Dimension E520 supports Intel Core™ 2 Duo processors and dual channel* DDR2 SDRAM shared* memory at up to 667 MHz providing the needed performance for today's productivity and multi-media applications. You can even choose to upgrade your integrated Intel® Graphics Media Accelerator 3000 graphics to either the 256 MB ATI X1300 Pro or the 256 MB NVIDIA® GeForce® 7300LE TurboCache* graphics card. The Creative Sound Blaster® X-Fi Sound Card audio card or Integrated Sound Blaster® Audigy™ HD Software Edition is also an available option on the Dimension E520 that delivers high-definition audio performance to complete your multi-media experience.

PRODUCT OVERVIEW



Overview

High performance video, fast memory and latest HDD solutions in an expandable design for all your multi-tasking, multi-media and entertainment needs.

Key Benefits

- **Peace of Mind:** Dell exclusively offers Dell DataSafe™, a solution that seamlessly backs up and restores all your valuable memories, and important data from software corruption and hardware failures.
- **Listen to your music (and thoughts), not your PC:** The Dimension E520 uses Dell's QuietCase™ design and the BTX motherboard form factor to deliver exceptional performance without noisy distractions. The Dell QuietCase™ design also provides tool-less entry to the chassis for hassle-free option/upgrade installation and maintenance.
- **Choice...Choose the right features, options, and performance from Entry to Multi-Media:** Begin your choice from among the many Intel™ processors, high speed memory, and hard drive options Dell offers. Next, consider whether Intel® Graphics Media Accelerator 3000 works for you or if you prefer to upgrade to the optional PCI-Express graphics solutions. Continue your personalization by adding Dolby® Digital 5.1 capability to the integrated 7.1 surround sound. Finally, complete your multi-media odyssey by adding a TV tuner, a 13 in 1 media card reader, IEEE 1394 adapter, and your choice of three Microsoft® operating systems - Windows® XP Home, XP Professional, or Media Center Edition.
- **Protect your personalized investment:** Backed by Dell's award-winning Support and Service, you receive 1 year limited warranty* standard or you increase your coverage with options up to 4 years. Should the situation arise, DellConnect is a simple online access tool that allows a Dell service and support associate to access your computer through a broadband connection, diagnose your problem and repair it. All under your supervision.

Dimension C521 Sleek and Powerful

- NVIDIA® GeForce® 6150 LE GPU /nForce® 430 MCP chipset
- AMD Sempron™, Athlon™ 64, and Athlon™ 64 X2 Dual-Core processors
- Up to 4GB* dual channel* shared* DDR2 533 and 667 MHz SDRAM
- Supports 1 PCI device, 1 PCIe x1 device, and 1 PCIe x16 device
- Supports 1 PCIe x16 graphics device
- 8 USB 2.0 ports (2 front/4 back/2 int.)
- Single Serial ATA HDD

Designed for the business or consumer who want a full-featured PC in an affordable space-saving form factor.

XPS 700 Extreme Gaming

- NVIDIA® nForce590 SLI X16 chipset
- Intel® Pentium® D processors and Intel Core™2 Duo Processors, including Extreme Edition
- Support dual graphics cards
- Up to 8GB* dual channel* DDR2 667 and 800 SDRAM
- Highest levels of expandability and connectivity:
 - 3 PCIe: x1, x16 & x16; 3 PCI
 - 2 1394 ports, 10 USB 2.0 ports
 - 3 SATA HDDs (up to 1.5 TB* total)
- Integrated RAID 0 and RAID 1 support
- 7 Selectable LED front and back-lighting colors

Designed for the hard core gamer, enthusiast or hobbyist

Dimension E521 Expandable and Powerful

- NVIDIA® GeForce® 6150 LE GPU /nForce® 430 MCP chipset
- AMD Sempron™, Athlon™ 64, and Athlon™ 64 X2 Dual-Core processors
- Up to 4GB* dual channel* shared* DDR2 533 and 667 MHz SDRAM
- Supports 2 PCI devices, 1 PCIe x1 device, and 1 PCIe x16 device.
- Supports 1 PCIe x16 graphics device
- 8 USB 2.0 ports (2 front/4 back/2 int.)
- Single or Dual Serial ATA HDDs
- Integrated RAID 0 and RAID 1 support

Designed for customers who want more from a full-featured PC enhanced to meet their productivity or entertainment needs.

XPS 410 Entertaining and Powerful

- Intel® 965P chipset
- Intel® Pentium® D processors and Intel Core™2 Duo Processors
- Up to 4GB* dual channel* DDR2 667 and 800 MHz SDRAM
- Supports up to 3 PCI devices and 3 PCIe devices
- Supports 1 PCIe x16 graphics device
- 10 USB 2.0 ports (2 front/2 back/3 int.)
- Serial ATA HDDs
- Integrated RAID 0 and RAID 1 support

Designed for the business or consumer user who demands performance, intense multimedia capabilities and expandability

Dimension E520 Expandable and Powerful

- Intel® G965 Express Chipset
- Intel® Core™2 Duo, Pentium® D, Pentium® 4, and Celeron® processors.
- Up to 4GB* dual channel* shared* DDR2 533 and 667 MHz SDRAM
- Supports 2 PCI devices, 1 PCIe x1 device, and 1 PCIe x16 device.
- Supports 1 PCIe x16 graphics device
- 10 USB 2.0 ports (2 front/6 back/2 int.)
- Single or Dual Serial ATA HDDs
- Integrated RAID 0 and RAID 1 support

Designed for customers who want more from a full-featured PC enhanced to meet their productivity or entertainment needs.

XPS 210 Slim, Stylish, and Entertaining

- Intel® G965 Express Chipset
- Intel® Core™2 Duo, Pentium® D, and Pentium® 4 processors.
- Up to 4GB* dual channel* shared* DDR2 533, 667, or 800 MHz SDRAM
- Supports 13 in 1 Media Card Reader or FDD
- Supports 1 Slimline 5.25" bay
- Single Serial ATA HDD
- Supports 1 PCIe x1 half-height card and 1 PCIe x16 half-height card
- 8 USB 2.0 ports (2 front/5 back/1 int.)

Designed for consumers who seek a balanced approach to owning the latest technology in a small, stylish form factor

WHO IS THE Dimension E520 CUSTOMER

- Prefers a **full-featured** product to meet their productivity or entertainment needs in an accommodating size.
- Demands all-around **performance** with **multimedia** capabilities and values expandability.
- Expects **performance** features today and the ability to **upgrade or add features** to their PC in the future.
- Desires the ability to **custom-configure** their desktop and values the quality and serviceability reputation of Dell.
- Music and video lovers desiring **multi-media** tools to create and enjoy music and watch movies.

CUSTOMER PROFILE

Dell™ DataSafe

A Dell-exclusive solution that gives customer an affordable backup solution for their data.

- It combines hardware and software to give a superior level of data protection
 - Ghost 10 by Symantec coupled with RAID 1 mirroring technology
- It's an all internal solution for your desktop (no external hard drives needed)
- Offers the customer protection from software and hardware failure

Memory

- Memory expansion is accomplished through four DIMM slots using 256MB, 512MB or 1GB shared* SDRAM, installed in pairs (dual channel*).
- 4GB* of maximum memory

Video Solutions

- The new Dimension E520 offers three graphics solutions comprised of integrated graphics and a choice of two PCI Express graphics cards: 256 MB ATI X1300 Pro or the 256 MB NVIDIA® GeForce® 7300LE TurboCache* .
 - All of these graphic solutions feature native PCI Express implementations to take full advantage of PCI Express architecture.
 - All Dimension cards feature DirectX® 9.0 support the multimedia and entertainment experience.
- You can also choose from among two TV tuner solutions that captures your television signal from a cable, satellite, or antenna source, and a remote control so you can sit back and enjoy :
 - Single TV tuner with remote control allows you to work or surf and still catch your favorite shows.
 - With Windows XP Media Center Edition 2005 and a Dual TV Tuner with remote, you can watch one channel while recording another*.

Audio Solutions

- Integrated 7.1 high definition audio is included on every Dimension E520
- Customers can choose to upgrade to Integrated Sound Blaster® Audigy™ HD Software Edition to enhance sound for music, gaming or multimedia presentations.
- Sound Card: Optional Creative Sound Blaster® X-Fi XtremeMusic (D)* w/Dolby®Digital 5.1
 - Helps improve the sound of movies, music and games on your PC
 - Games run fast with the X-Fi chip
 - EAX advanced high definition 5.0 allows for impressive interactive and realistic audio in game play – designed to make your voice match your character's gaming environment
 - Front panel audio offers excellent customer experience and flexibility for gaming experience



- **Speakers:** The Dimension E520 is available with a range of speakers .
 - **Dell 5650 5.1 Surround Sound Speakers System with Subwoofer:**
 - Awesome surround sound, great for listening to DVD-Audio, DVD-Video, or that 3D audio gaming experience.
 - Center channel speaker features unique flat panel mountable capability or fits in a stand. These speakers are targeted at 3D gamers or audiophiles who want to immerse themselves in a game and enjoy 3D positional sound effects.
 - **Dell A525 2.1 Stereo Speakers:**
 - Serious sound just short of surround.
 - Sound that will fill your home office and dorm room, great for listening to CDs, DVDs, MP3s, and games.
 - Engineered for high quality (30 watts total) stereo sound.
 - **Dell AS501PA & AS501 Flat Panel Attached Speakers:**
 - The answer for anyone wanting excellent quality sound with space considerations and fewer wires. 10 watts of sound power can be attached along the bottom edge of your Dell flat panel display. Perfect for the home office. See Details tab for eligible Dell flat panels.
 - NOTE: AS501PA flat panel attached speakers are for analog flat panels only. AS501 flat panel attached speakers are for UltraSharp™ flat panels only.
 - **Dell A225:**
 - Great entry level speakers with a stylish new design. An ideal speaker set to meet basic sound needs



Optical Drives

- The Dimension E520 ships with Dell factory configured internal optical drives and can support one or two 5.25-inch drives. Customers can choose a wide range of popular optical devices such as DVD-ROM*, CD-ROM, DVD-Combo and DVD-RW with the latest optical technology including:
 - **16X Max DVD+/-RW* with double layer write capability*** bundled with Sonic MyDVD authoring software allows users to store their favorite original video or archive to a DVD+R, DVD+RW, DVD-R and DVD-RW. This drive will allow up to 8.5GB of data or video to be stored to one double layer DVD+R. The 16X DVD+/-RW* devices also write to CD-R and CD-RW disks for custom audio CDs or data storage of up to 700MB.

Hard Disk Drives

- The Dimension E520 offers a variety of Dell factory installed hard drive configurations with fast technology, Serial ATA drives. The Dimension E520 offers high levels of expandability, with support for one or two drives, each with up to 320GB* of total storage.

Removable Storage Devices

- Optional 13-in-1 media card reader that supports Compact Flash, (CF) I and II, Secure Digital (SD), Multimedia Card (MMC), Memory Stick and Memory Stick Pro, IBM Microdrive, Smartmedia, xD
- Optional floppy drive.
- 128MB, 256MB and 512MB Dell USB 2.0 Hi-Speed memory keys* offer the latest in storage technology and serve as an excellent floppy alternative.

Adapter

- IEEE 1394 Adapter provides enhanced connectivity for many video cameras, external HDDs, MP3 players and more.

Networking & Modems

- Built-in 10/100 Ethernet networking makes the system Broadband-ready.
- Optional data/fax modems provide communication options where broadband is not available.

Monitors and Flat Panel Displays

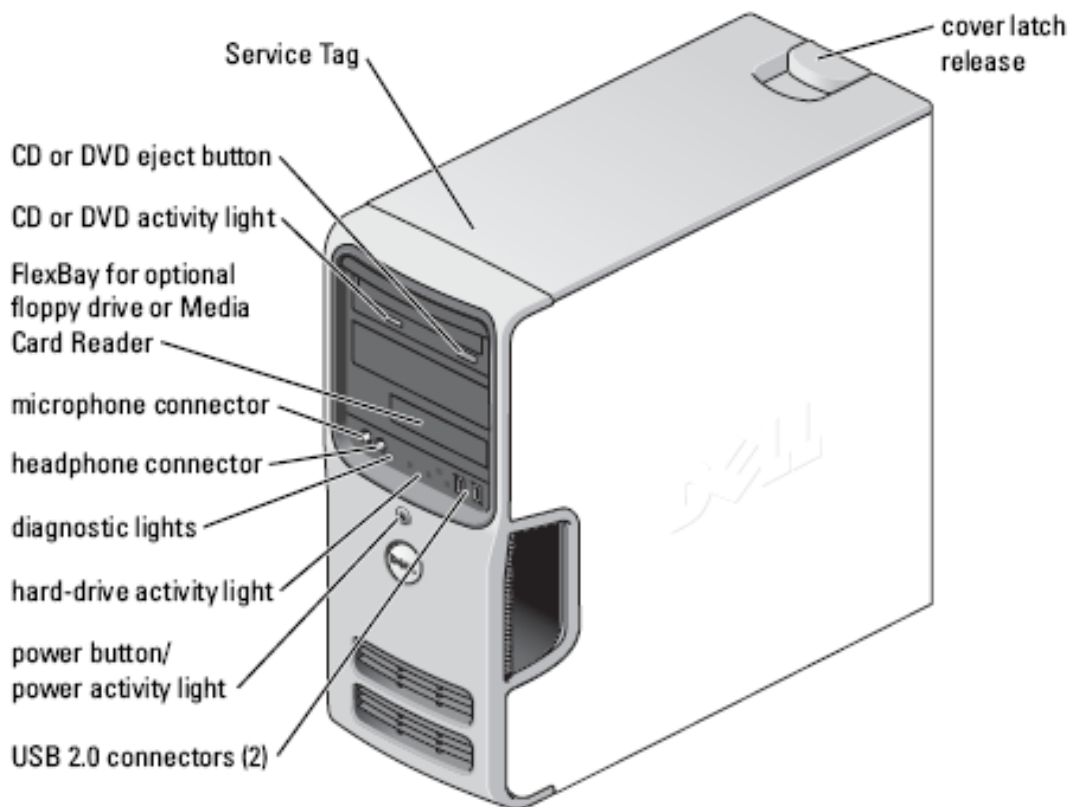
- Flat Panel displays are designed to provide flicker free clear, sharp images even at maximum brightness and are ideally suited to environments where space is at a premium. Dell digital flat panel displays available for the Dimension E520 include the Dell 1707FP (17" Flat Panel), the Dell 1907FP (19" Flat Panel), the Dell 2007WFP (20.1" wide-screen Flat Panel) and the Dell 2407WFP (24" wide-screen Flat Panel).

Operating Systems

- Microsoft® Windows® XP Home is recommended for the home user.
- Microsoft® Windows® XP Professional is recommended for students and business users
- Microsoft® Windows Media Center Edition is recommended for those who want to use their PC to manage their digital content

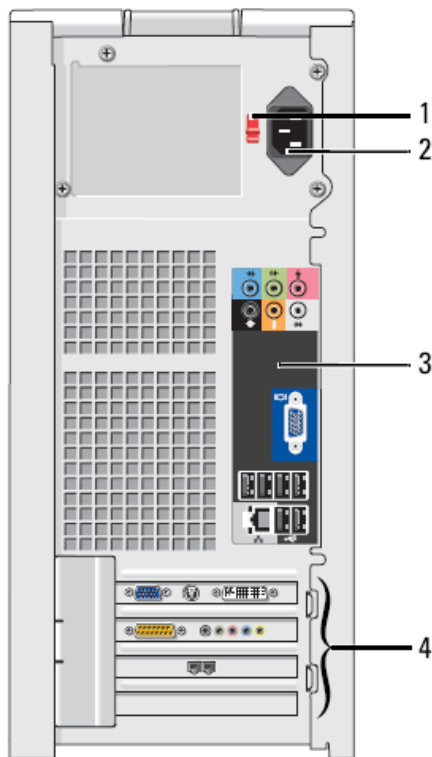
CHASSIS OVERVIEW

FRONT VIEW:

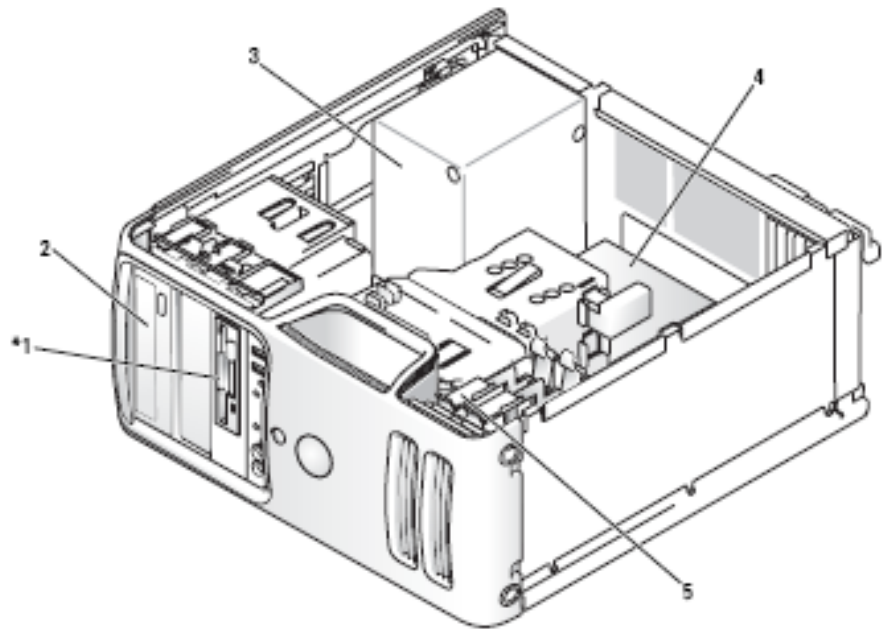


BACK VIEW:

1. Voltage Selection Switch
2. Power Connector
3. Back Panel Connectors
4. Card Slots



INSIDE THE CHASSIS

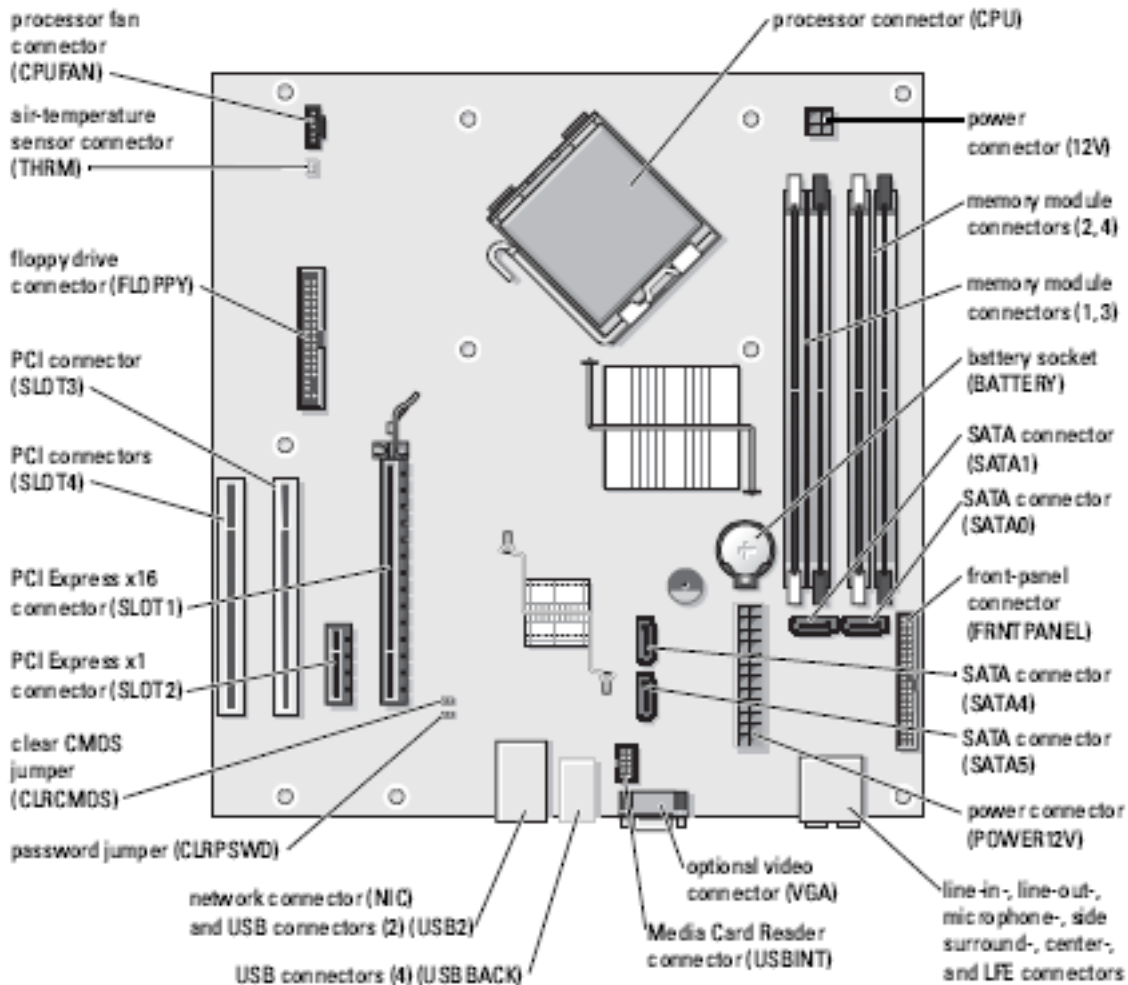


*May not be present on all computers.

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|---|--------------|---|-----------------|---|--------------|
| 1 | floppy drive | 2 | CD or DVD drive | 3 | power supply |
| 4 | system board | 5 | hard drive | | |

SYSTEM BOARD

System Board Components



Processor	
Processor type	Intel® Pentium® 4 with Hyper-Threading technology NOTE: Not all Pentium 4 processors support Hyper-Threading technology.
Level 1 (L1) cache	32 KB
Level 2 (L2) cache	1 MB (depending on your computer configuration) pipelined-burst, eight-way set associative, write-back SRAM
Memory	
Type	533-MHz and 667-MHz dual DDR2 unbuffered SDRAM
Memory connectors	four
Memory capacities	256 MB, 512 MB, or 1 GB non-ECC
Minimum memory	256 MB
Maximum memory	4 GB*
BIOS address	F0000h
Computer Information	
Chipset	965
RAID Support	RAID 1 (Mirroring)
DMA channels	eight
Interrupt levels	24
BIOS chip (NVRAM)	4 Mb
NIC	Integrated network interface capable of 10/100 communication
System clock	800- or 1066-MHz data rate

Other processors are available. For more information, see E520 Tech Specs on [dell.com](http://www.dell.com/content/products/productdetails.aspx/dimen_e520?c=us&l=en&s=bsd&cs=04) at http://www.dell.com/content/products/productdetails.aspx/dimen_e520?c=us&l=en&s=bsd&cs=04

Video

Type Intel Graphics Media Accelerator 3000

Audio

Type Sigmatel 9227

Expansion Bus

Bus type PCI 2.3
PCI Express x1 and x16

Bus speed PCI: 33 MHz
PCI Express:
x1 slot bidirectional speed - 500 MB/s
x16 slot bidirectional speed - 8 GB/s

PCI

connectors two

connector size 120 pins

connector data width (maximum) 32 bits

PCI Express

connector one x1

connector size 36 pins

connector data width (maximum) 1 PCI Express lane

PCI Express

connector one x16

connector size 164 pins

connector data width (maximum) 16 PCI Express lanes

Drives

Externally accessible:

Bays one 3.5-inch drive bay (FlexBay)
two 5.25-inch drive bays

Available devices Serial ATA drives (4), floppy drive, USB memory devices, CD/DVD drive, and Media Card Reader

Internally accessible: two bays for 1-inch high serial ATA hard drives

Other graphics solutions are available. For more information, see E520 Tech Specs on dell.com at http://www.dell.com/content/products/productdetails.aspx/dimen_e520?c=us&l=en&s=bsd&cs=04

Connectors

External connectors:

Video	15-hole connector
Network adapter	RJ-45 connector
USB	two front-panel and six back-panel USB 2.0-compliant connectors
Audio	six connectors for 7.1 support

System board connectors:

Serial ATA	four 7-pin connectors
FlexBay Drive	one USB 10-pin header for optional Media Card Reader (3.5-inch bay device)
Floppy drive	one 33-pin connector
Fan	one 5-pin connectors
PCI 2.3	two 120-pin connectors
PCI Express x1	one 36-pin connector
PCI Express x16	one 164-pin connector

Controls and Lights

Power button	push button
Power light	green light — Blinking green in sleep state; solid green for power-on state. amber light — Blinking amber indicates a problem with the power supply inside the computer. If the system cannot boot and there is a solid amber light, this indicates a problem with the system board
Hard-drive access light	green
Link integrity light (on integrated network adapter)	green light — A good connection exists between the network and the computer. off (no light) — The computer is not detecting a physical connection to the network.
Activity light (on integrated network adapter)	yellow blinking light
Diagnostic lights	four lights on the front panel
Standby power light	STBYLED on the system board

Power

DC power supply:

Wattage	305 W
Maximum heat dissipation	560.5 BTU/hr
Voltage (see the safety instructions located in the <i>Product Information Guide</i> for important voltage setting information)	90 to 135 V and 180 to 265 V at 50/60 Hz

Backup battery	3-V CR2032 lithium coin cell
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Physical

Height	41.4 cm (16.3 inches)
Width	18.8 cm (7.4 inches)
Depth	45.7 cm (18.0 inches)
Weight	12.7 kg (28.0 lb)

Environmental

Temperature:

Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)

Relative humidity	20% to 80% (noncondensing)
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Maximum vibration:

Operating	5 to 350 Hz at 0.0002 G ² /Hz
Storage	5 to 500 Hz at 0.001 to 0.01 G ² /Hz

Maximum shock:

Operating	40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 20 in/sec [51 cm/sec])
Storage	105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 50 in/sec [127 cm/sec])

Altitude:

Operating	-15.2 to 3048 m (-50 to 10,000 ft)
Storage	-15.2 to 10,668 m (-50 to 35,000 ft)

Environmental Stewardship

The Dell Design for Environment (DfE) program instills environmentally sound principles into product design, with consideration of every stage of a product's life cycle, from raw material selection to responsible end-of-life management. Dell has long worked to reduce or eliminate the use of environmentally sensitive materials in products. Dell's design for recycling includes:

- Component consistency and a modular chassis are features of Dell systems that make refurbishing and reclaiming parts easy.
- Modular, upgradeable design - parts can be removed without use of special tools - allowing easy repair and upgrades, thus lengthening the useful life of the computer
- Designed for ease of assembly and disassembly - most parts snap together, no glue and minimal use of screws used as fasteners
- Plastic parts are marked to aid recycling

Engineering

Every Dimension E520 undergoes Dell's rigorous series of engineering tests, which helps ensure that users can enjoy cutting edge technology without the reliability issues often associated with new technologies.

All the components are selected carefully and produced under processes monitored by our Supplier Quality Engineering Group. After selection, our engineers exhaustively test them in the system to ensure optimal performance with other components within the system.

Only after the rigorous testing is complete does our Manufacturing team then start building the complete system in our facilities certified to the requirements of ISO9001-2000.

Software download process

Using a proprietary factory download process, the OS and software loaded on the Dimension E520 are transferred to the hard drive using an automated script. The script allows each hard drive image to be customized to the customer's configuration, but at the same time, errors from human interaction are virtually eliminated.

The reproducibility of the hard drive image provided by the script allows each software configuration to be unique, but still supported by the hundreds of hours of system-level testing performed during platform development.

PROTECT IT

Main Service

- 1 Year Limited Warranty*
- 1 Year Next Business Day/At-Home* (NBD)
- 1 Year Technical support
- 24x7 toll-free telephone Hardware Warranty Support for the term of the limited warranty*

Online Hardware Warranty Support and Chat

- Our online support site is loaded with valuable information including user manuals, troubleshooting guides, hints and tips. Or, you can get in touch with a support rep via e-mail or online chat, 24 hours a day, seven days a week.

Upsell Service

- 2 - 4 Years Limited Warranty*
- 2 - 4 Years Limited Warranty* , 2 - 4 Years On-site* (NBD) (labor)
- 2 - 4 Years Technical support
- 1 - 4 Years CompleteCare™ Accidental Damage Service*
- Fee-based HelpDesk Services (Dell on Call)
- PC Install
- PC Install with Data Transfer
- Wireless Home Networking
- Educate U Online Learning Offerings

Dell Technical Updates: Real-time email notification tool that provides automated access to drivers, software and BIOS for Dell desktop and notebook systems

Dell Support 3.2: Added in the factory, Dell Support 3.2 helps detect possible problems then provides computer-specific automated updates/upgrades notifications, which you can choose to update.

Dell Recycling:

Dell has one of the most robust recycling programs in the industry, and recycling is free with purchase of any new Dell PC and for a nominal charge as a standalone service. Terms and conditions apply; visit www.dell.com/recycling for more information.

Services indicated here are U.S. only. Regional availability may vary. Please consult your regional services organization for details on service availability.

On-site System Setup (Installation): Get a fast start with Dell on-site system setup services. Dell will send an expert technician to install your system onsite, including data transferring and wireless network set-up.

- **Offers three options** – Choose from Dell basic system setup*, data transfer* with setup or the comprehensive onsite system setup with data transfer and wireless setup*
- **Enables a fast startup** — A certified Dell technician will carefully unpack, inspect and test your new equipment; connect your keyboard, mouse, monitor, and up to 3 external peripherals, then power-up your system and ensure that it's remapped to an existing network printer
- **Transfers your data to a new system*** – Along with setting up your new system, Dell can transfer up to 2GB of data from your old system to your new one, includes loading up to 2 customer-supplied software CDs
- **Provides wireless setup*** – Includes installing and configuring wireless card, configuring Wired Equivalent Privacy (WEP) encryption and demonstrating how to change key then confirming shared Internet access to existing connection and enabling file and print sharing

Asset Recovery Service: Provides fast, affordable, easy, and environmentally friendly methods for recycling or reselling your old or outdated computer equipment, including servers, storage equipment, networking equipment, monitors, printers, projectors, and computer peripherals such as keyboards and mice.

- **Simplifies disposition of used equipment** – Dell can gather, pack and transport equipment according to your time schedule and location
- **Removes uncertainty** — Provides a settlement report that documents recycled equipment along with a Certificate of Disposal, which verifies recycling was done in accordance with Local, State and Federal requirements and guidelines
- **Helps improve security** — Removes tags and labels from equipment and inoperable disks are overwritten with an automated script or when necessary, shredded
- **Reduces the cost of storage** — Regain space used to store obsolete desktops, notebooks, servers, storage and networking equipment, monitors, printers, projectors and peripherals such as keyboard

Educate U: Dell helps you improve your technology know-how so you can get the most out of your system, electronics and accessories. Dell offers over 375 online training courses along with books on popular applications and technologies.

- **Tailors learning to your needs** – Choose from hundreds of beginning, intermediate and advanced courses, including over 100 course that include a real-time chat tool that puts you in contact with expert tutors
- **Simplifies getting the skills you need** — Registering for courses is easy; plus, online courses can be taken anytime, anywhere and at your own pace and cover such topics as multimedia, business, finance, hardware, and software
- **Provides range of training books** — If online courses aren't your preference, Dell offers dozens of training books ranging from Internet basics to using Microsoft® XP Media Center, buying and selling on eBay, home networking, movie making with Pinnacle Studio 9, and home finances using Quicken 2006.

ORDER SUPPORT

Web: www.dellcustomersupport.com

Live Chat: For immediate assistance with order questions, chat with Dell Customer Care reps at www.dellcustomersupport.com

E-mail: At www.dellcustomeremail.com, customers can send E-mail questions to Dell Customer Care 24 hours a day and will receive automated responses immediately or responses within 6 hours.

Phone: 1-800-624-9897; 1-877-DELL-TTY (hearing impaired)

Product Warranty Support:

Web: For quick access to many helpful tips and access to Dell's extensive Knowledge Base, go to www.support.dell.com.

Live Chat is becoming a preferred method of support for many computer users and is a quick way to get most technical issues resolved. To chat with a Dell technician go to www.support.dell.com/chat.

E-mail: At www.support.dell.com/email, customers can send E-mail questions to Dell technicians 24 hours a day and will receive automated responses immediately or responses within 6 hours.

Phone: 1-800-624-9896; 1-800-247-9362 for 24x7 automated support; 1-877-DELL-TTY (hearing impaired)

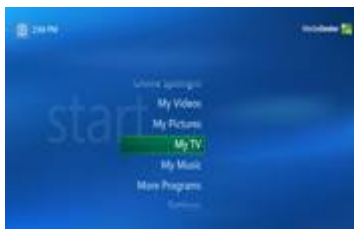
What customers need to have on hand before contacting Dell:

The **Service Tag Number or Express Service Code** (7 digits or 8 to 16 digits respectively), helps identify a customer's unique Dell product and can be found on the chassis of a desktop or underside of a notebook.

Dell's Return Policy: If you cancel your purchase for any reason within 21 days, we'll refund your purchase price minus shipping and handling and applicable restocking charges. You are responsible for the cost of shipping your system back to us.

SERVICE & SUPPORT

Microsoft® Windows® XP Media Center Edition 2005 turns your office or living room into a multimedia hub



Fun with Photos:

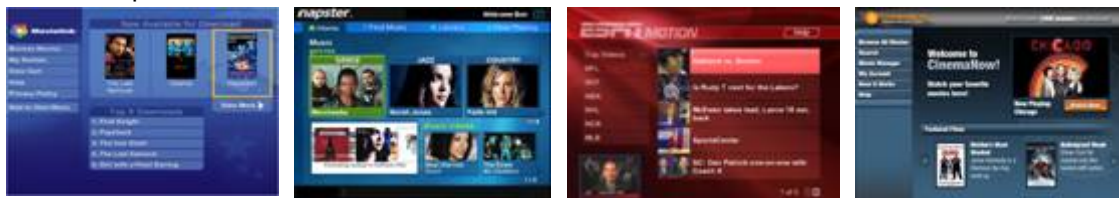
- Make fewer trips to the photo lab by using built-in photo editing features
- print your favorite photos instantly from the comfort of your sofa with the optional remote control, without the hassle of configuring your printer

Fun with Music

- Dazzle your friends and family with a customized slideshow set to your choice of music
- Enjoy your own personal music jukebox at the touch of a button
- Easily identify your favorites CDs with online album cover support.
- Save time recording your favorite music from a CD with the built-in CD-ripping feature.

A World of Online Partners

Expand your horizons and access a world of content from across the web through the same simple and easy to use interface used to enjoy TV, music and movies. These are just a few of the online partners.



Cool Features Now Available with Microsoft® Windows® XP Media Center 2005

- TV/Digital Video Recorder (DVR) Functionality is now optional
- Record Live TV directly to a DVD*
- Distributed Media with Microsoft Windows XP Media Center Extender – Enjoy your digital content on a remote TV or home entertainment system
- Improved online programming guide over Microsoft Media Center 2003, now with movie search
- Improved online spotlight over Microsoft Media Center 2003, now with more content providers – ex: Musicmatch and CinemaNow
- 10' Instant Messaging and CD/DVD Burning
- Improved media discovery over Microsoft Media Center 2003 – Now you can find media content on other networked Media Center PCs
- Transfer files to portable devices



PC Security

Dell has tested and recommends the security software products available on Dell.com. Software protection against spyware, viruses and spam isn't foolproof but can help to keep consumers' PCs safe from malicious software threats. Complete security solutions that protect against viruses, spyware and spam and provide firewall and privacy protection are available for a low price for 15 months with system purchase. In addition to software protection, customer education and awareness is critical. In-depth PC security information is available at www.dell4me.com/security.

PC Restore

Dell now installs Dell PC Restore by Symantec™ for emergency reinstallation of the OS and software. PC Restore enables customers to quickly and easily restore the OS and software to the original configuration as when first received by the customer. It also saves customers time and tech support calls: no need to re-install the OS, device drivers and applications from CD.

Dell PC Restore should be used as the last method to restore the OS and factory-installed software. Any programs or files added since the system was purchased are permanently deleted from the hard drive. Dell recommends customers back up all data before using Dell PC Restore.

To start Dell PC Restore, press <Ctrl><F11> during the boot routine when the www.dell.com splash-screen appears. The restore process takes approximately 6-10 minutes to complete. A copy of the Dell-installed software image is saved on the hard drive (approx. 4GB of disk space). For more information about Dell PC Restore, see "Re-Installing the OS" in the Owners Manual.

Productivity Software

Dell offers a variety of integrated, easy-to-use productivity software suites designed to meet your needs and budget. In addition, purchasing Productivity Software with a Dell system can provide significant cost savings compared to retail.

This software goes through rigorous testing in the Dell factory and is ready to use when you turn on your new system.

Included with your PC:

- Productivity Pack including WordPerfect® & Money
- This easy-to-use bundle is designed for the entry-level user.

Available upgrades:

- WordPerfect® Office 12
- Microsoft® Works Suite including Money
- Microsoft® Office Basic Edition 2003
- Microsoft® Office Small Business Edition 2003
- Microsoft® Office Professional 2003

The Dell Picture Studio™

The Dell Picture Studio is a digital photography one-stop shop for acquiring images from a digital camera or scanner; quickly improving, organizing and cataloguing photos; creating greeting cards, fliers, and Web graphics, creating presentations; to sharing photos and online photos, customers can find it all in the Dell Picture Studio. Customers can enhance, organize and share digital photos



Dell Jukebox by MUSICMATCH

The Dell Jukebox powered by MUSICMATCH turns your PC into the ultimate music machine. You can listen to audio CDs, MP3s, Internet streams, WMAs, WAV files and other digital audio files, and access album, song and artist information while listening.



Dell Media Experience™

Dell Media Experience provides a single, integrated **easy-to-use** window into all the entertainment content on your PC. Its family-friendly and TV-compatible interface uses the power of the PC to bring both personal and Hollywood entertainment to life in your den, dorm or living room. And, with the optional remote control, you can enjoy it all from the comfort of your living room sofa. Dell Media Experience ships standard on systems that are not ordered with Windows XP Media Center Edition 2005.

Sonic Record Now!

With Sonic Record Now! it's a snap to copy CDs and DVDs, and it takes just a few mouse clicks to share or protect photos, financial records, and other important data. Music lovers will enjoy creating custom music compilation CDs and Jukebox CDs for personal use, which can contain hundreds of legally appropriate MP3, WMA, or WAV files.



Sonic MyDVD LE

Experience the perfect balance of MyDVD's interactive, drag-and-drop, WYSIWYG (what you see is what you get) authoring. You can be burning your first DVD within minutes of launching MyDVD.

MULTIMEDIA SOFTWARE

Dell™ Dimension E520



IMPORTANT INFORMATION

- * Dimension E521/C521 Shared Memory: Between 64 MB and 512 MB of system memory may be allocated to support integrated graphics, depending on system memory size and other factors.
- * Dimension E520 Shared Memory: Up to 224 MB of system memory may be allocated to support integrated graphics, depending on system memory size and other factors.
- * XPS 210 Shared Memory: Up to 224 MB of system memory may be allocated to support integrated graphics, depending on system memory size and other factors.
- * Dual-channel memory: requires 2 each of the same capacity memory DIMMs.
- * Systems Configured with 4GB of Memory or More: The total amount of available memory will be less than 4GB. The amount less depends on the actual system configuration. To fully utilize 4GB or more of memory requires a 64-bit enabled processor and 64-bit OS.
- * DVD +/- RW: Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility.
- * DVD +/- RW with Double Layer Write Capability: Special media required, and third party software may also be required.
- * Memory Keys: For writeable storage devices, MB means 1 million bytes; total accessible capacity varies depending on operating environment.
- * Hard Drive: For hard drives, GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
- * Dell CompleteCare™ Accidental Damage Service: CompleteCare service excludes theft, loss, and damage due to fire, flood or other acts of nature, or intentional damage. CompleteCare not available in all states. Customer may be required to return unit to Dell. For complete details, visit www.dell.com/servicecontracts
- * At-home service: provided via third-party contract with customer. Technician will be dispatched if necessary following phone-based troubleshooting. Availability varies. Other conditions apply.
- * PC Installation Service: Service provides for basic system set up, connection of up to three external devices, set up of Internet service and email and system basic overview, by trained technician. Does not cover repair services. Service may be provided by third party. See dell.com/servicecontracts for details. Availability varies. Other conditions apply. Please see your contract with the service provider for other important details.
- * Data Migration Service: Service provides for basic system set up, connection of up to three external devices, set up of Internet service, data transfer, loading of 2 software CDs and email and system basic overview, by trained technician. Does not cover repair services. Data migration service excludes transfer of data files over 2 GB, operating systems, and application files. Software loading requires the Customer to supply the CD and any required licenses. Service may be provided by third party. See dell.com/servicecontracts for details. Availability varies. Other conditions apply. Please see your contract with the service provider for other important details.
- * Dell Limited Warranty: For a copy of our guarantees or limited warranties, please write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit www.dell.com/warranty
- * Windows Media Center Recording TV Programming: Record, Pause & Play function via Media Center Edition-equipped PC requires an Internet connection for full functionality and may not be compatible with all cable systems and local broadcast signals.
- * 256MB NVIDIA GeForceGo 7300 TurboCache:The total of local and shared system memory used by this graphics card is up to 256MB. Local on-board memory is 128MB. Up to 128MB of system memory is allocated to support graphics, depending on system memory size and other factors.
- * Television Capability: Media Center Live TV requires TV Tuner for PC and minimum notebook system requirements of Intel®PentiumM 1.60GHz and 512MB RAM. May not be compatible with all cable systems and local broadcast systems. Recording TV in Media Center requires Internet connect for full functionality.
- * Sound Blaster®X-Fi™XtremeMusic(D): Certain system components may differ from the retail version.

RETURN INFORMATION

Dell Inc. provides this equipment for evaluation purposes only. All equipment must be returned to Dell Inc. in good working condition. Equipment must be in its original box, including all packaging, documentation, cables, and diskettes.

This equipment remains the property of Dell Inc. unless paid for in full by the evaluator. Dell Inc. reserves the right to collect from the evaluator the full retail value of the equipment if not returned promptly and in good working condition on or before the due date.

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