ManePC - Dell Latitude E6410 -14.1' - I5 2.57 GHz

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Dell Latitude E6410 - 14.1" - Core i5 M560 2.67Ghz - 3 GB RAM - 250 GB HDD

General

Packaged Quantity

1

Embedded Security

Trusted Platform Module (TPM 1.2) Security Chip

Notebook type

Midsize

Manufacturer

Dell, Inc.

Processor / Chipset

CPU

Intel Core i5 560M / 2.67 GHz

Max Turbo Speed

3.20 GHz

Number of Cores

Dual-Core

Cache

L3 - 3 MB

64-bit Computing

Yes

Chipset Type

Mobile Intel HM57 Express

Features

Enhanced SpeedStep technology, Hyper-Threading Technology, Intel Turbo Boost Technology, Intel Virtualization Technology

Cache Memory

Type

L3 cache

Installed Size

3 MB

RAM

Memory Speed

1333 MHz

Configuration Features

1 x 2 +1x 1 GB

Technology

DDR3 SDRAM

Installed Size

3 GB

Storage

Interface

Serial ATA-150

Optical Drive

DVD±RW (±R DL) fixed

Type

Type

portable

Memory

RAM

3 GB (1 x 2 + 1x1 GB)

Max Supported Size

8 GB

Technology

DDR3 SDRAM

Speed

1333 MHz

Form Factor

SO-DIMM 204-pin

Slots Qty

2

Empty Slots

0

Display

Resolution

1280 x 800 (WXGA)

Widescreen Display

Yes

Monitor Features

anti-glare

Diagonal Size (metric)

35.8 cm

Display Resolution Abbreviation

WXGA

Audio & Video

Graphics Processor

Intel GMA

Integrated Webcam

Yes

Sound

Stereo speakers, microphone

Hard Drive

Spindle Speed

7200 rpm

Type

HDD

Capacity

250 GB

Input

Type

keyboard,   touchpad

Communications

Wireless Protocol

802.11a/b/g/n

Wired Protocol

Gigabit Ethernet

Wireless Broadband (WWAN)

Generation

3G

Cellular Protocol

CDMA 2000 1X EV-DO Rev. 0, EDGE, GPRS, GSM, HSDPA, HSPA, HSUPA, UMTS

Processor

Type

Core i5

Processor Number

i5-560M

Manufacturer

Intel

Clock Speed

2.67 GHz

Navigation

Navigation

A-GPS receiver

Optical Storage

Drive Type

DVD-Writer DL

Type

DVD±RW (±R DL)

Form Factor

fixed

Floppy Drive

Type

Card Reader

Type

6 in 1 card reader

Battery

Cells

6-cell

Technology

lithium ion

AC Adapter

Input

AC 120/230 V (50/60 Hz)

Connections & Expansion

Slots

1 x ExpressCard/54 (1 free)

Interfaces

3 x USB 2.0
VGA
LAN
Headphone output
Microphone input
4-pin FireWire
DisplayPort
Dock
eSATA

Memory Card Reader

6 in 1

Header

Brand

Dell

Product Line

Dell Latitude

Model

E6410

Localization

English

Country Kits

United States

Packaged Quantity

1

Compatibility

PC

Miscellaneous

Security

Trusted Platform Module (TPM 1.2) Security Chip

Features

security lock slot (cable lock sold separately)

Included Laptop Accessories

power adapter

Monitor

Diagonal Size

14.1 in

Networking

Data Link Protocol

Ethernet,
 Gigabit Ethernet,
        IEEE 802.11b,
            IEEE 802.11n

Fast Ethernet,
            IEEE 802.11a,
                IEEE 802.11g,

Wireless LAN Supported

Yes

System

Notebook Type

notebook

Platform

Windows

Hard Drive Capacity

250 GB

Dockable

Yes

Embedded Security

Trusted Platform Module (TPM 1.2) Security Chip

Dimensions & Weight

Width

13.2 in

Depth

9.4 in

Height

1.2 in

Audio Output

Compliant Standards

High Definition Audio

Mainboard

Chipset Type

Mobile Intel HM57 Express

Environmental Standards

EPEAT Level

EPEAT Gold

ENERGY STAR Certified

Yes

Physical Characteristics

Weight

4.41 lbs

Operating System / Software

OS Provided: Type

Microsoft Windows 7 Professional

Video Output

Discrete Graphics Processor

Yes

Video Memory

Installed Size

512 MB

Notebook Camera

Integrated Webcam

Yes

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Computer shopper Review

Pros

Good looks and great build quality
Super easy to upgrade
Good battery life

Cons

ALPS touchpad hiccups
Lackluster screen contrast ratio

Quick Take
The Dell Latitude E6410 is a 14.1-inch business notebook configurable with an Intel Core i7 processor and NVIDIA NVS 3100M dedicated graphics.

The Latitude E6410 is the latest in a long line of business notebooks from Dell. Sporting a wide range of Intel Core processor options, Intel integrated and NVIDIA NVS 3100M dedicated graphics, and two display options. In this review we see how this Dell business notebook compares to others already on the market.

Our Dell Latitude E6410 Specifications:

14.1 LED-backlit WXGA+ 1440×900 Display
Windows 7 Professional 64-bit
Intel Core i7 620M processor (2.66GHz, 4MB cache)

NVIDIA NVS 3100M Dedicated Graphics with 512MB VRAM
4GB DDR3 RAM
250GB 7200RPM hard drive (Western Digital Scorpio Black)
Intel Wireless Wi-Fi 6200AGN
Built-in Bluetooth v2.1+EDR
8X DVD burner
One-year limited warranty
9-cell Li-ion battery (85Wh)
Weight: 4.26lbs starting (5.5lbs configured)
Dimensions: 13.2 x 9.4 x 1-1.2-inches
MSRP: $960 starting ($1,865 closest configuration)

Build and Design
 The Dell Latitude E6410 has a very modern look and feel, with a few changes this generation to give a nod towards past models. The E6400 brought the latest body style, with a black alloy shell. The E6410 this time around keeps the body style, but switches back to the gunmetal gray coloring scheme which was found on the D630 and D620 before it. The finish has a pseudo-brushed appearance (painted, not actual brushed metal like on the HP EliteBook) that seems to resist fingerprints more than the real thing. The lower half of the notebook keeps the black metal design, with a large service panel that lets you access everything in the notebook by removing a single screw.

Inside the E6410 the look is matte black on everything besides the keyboard and model lettering. Compared to what you might find in a consumer model, there are no glossy or reflective surfaces besides the small chrome lettering on the Dell branding logo. This is nice if you use your notebook in brightly lit areas where reflections can be distracting. It also means that smudges and fingerprints won't be a problem from day-to-day use.

Build quality is very good and if feels very durable with the metal panels top and bottom. In the business notebook market not all makers have stuck with metal body panels. After the T60-series ThinkPad, Lenovo switched to a plastic top cover, which has stuck for every generation since then. The HP EliteBook though keeps the metal top cover and retains the image and feel of a higher-grade notebook over a standard plastic consumer model.

The Latitude E6410 chassis felt very well built and resisted any flexing in the usual spots. The palmrest and touchpad showed no signs of sag under heavy prodding. The keyboard directly over the optical drive stayed firm, even though most notebooks do show some signs of weakness in this area. Grabbing the notebook by the palmrest and carrying it around didn't cause any twisting or creaking noises. With the notebook closed the screen cover gave above average protection for the screen and should prevent any keyboard key marks on from imprinting on the LCD after being transported in a backpack loaded with other items. With the notebook open it took a good amount of pressure applied to the back of the cover before it showed any ripples or distortions on the display.

Users looking to upgrade parts of IT staff looking to replacing components will find the Latitude E6410 very easy to

service. Dell designed the entire bottom around a single access panel with a single screw holding it in place. After removing the screen (which is retained with a spring so it never gets lost) you simply slide the cover down about a smidge and pop it off. With the cover removed you gain access to the WWAN, Wi-Fi card, memory slots, processor and heatsink, CMOS battery, cooling fan, and the instant-on OS card. Outside of having a cover that removes by the thought of wanting to upgrade alone, the E6410 is probably the easiest notebook we have come across to upgrade.

Ports and Features
The Latitude E6410 is packed with a ton of connections, including three USB 2.0 ports, an eSATA/USB combo port, VGA and DisplayPort-out, audio jacks, LAN, and FireWire-400. Other features include an optical drive, SDHC-card reader, and a SmartCard reader.

Front: SDHC-card slot

Rear: LAN, DisplayPort-out, power jack

Left: Kensington lock slot, VGA-out,
one USB 2.0, eSATA/USB, SmartCard reader

Right: ExpressCard/54 slot, FireWire-400, optical drive, audio jacks, wireless on/off, two USB 2.0 ports.

Screen and Speakers
The Dell offers two display options with the 14.1-inch Latitude E6410. The base screen is a WXGA 1280×800 resolution panel, while the step up-which is what our review unit came with-is a WXGA+ 1440×900 panel. Both panel offerings have matte surfaces, instead of the glare-prone glossy displays. The higher resolution lets you display more in the screen and is greatly preferred if you do anything from surfing the web to typing documents. In our tests the screen performed about average in terms of color saturation and contrast, falling behind compared to some of the nicer panels we have seen on consumer notebooks. With our light meter we measured an average contrast ratio of 140:1, which is well below most consumer panels.

This isn't far from other business notebooks though. Peak brightness measured in at 336nit, which is great for viewing outdoors in partially shaded areas or under bright office lighting. Backlight brightness was even across the panel, with only a 20nit spread between center and the left and right sides. No backlight bleed was seen around the edges or at the corners either. Viewing angles were average, with the vertical viewing range spanning from 15-20 degrees tilted forward or back. Horizontal viewing angles were better, with colors staying true to 60-75 degrees off-center.

The Latitude E6410 features narrow stereo speakers located on each side of the keyboard. For business use they were more than adequate, offering plenty of volume for listening to music in small to midsize rooms. Audio quality was average, with some midrange and good high notes. Bass was lacking, but this was a given without a subwoofer. External outputs include an analog headphone jack, which will work with most external speakers.

Keyboard and Touchpad

 The Dell Latitude E6410 has a very comfortable LED backlit keyboard. The keyboard hasn't changed much from the previous generation, keeping the same look and feel, as well as the built-in pointing stick. The keyboard keys are jet-black with bright white lettering and have minimal cupping. The feel is similar to typing on a Chiclet style keyboard, but the keys don't have the same sharp cutoff like you might find on those types of keyboards. Typing pressure is minimal, with each press making a very mild click when the key is fully triggered. Compared to my Latitude D630, typing noise has been significantly reduced. Overall compared to the other business notebooks, the E6410's keyboard stacks up very well, and has an edge when it comes to lighting.

Dell incorporates an ALPS touchpad into the E6410, which has thankfully improved from past years. The moderate amount of lag found in older revisions is completely gone, making the navigation experience much nicer. Sensitivity is great with default settings, although we still had some problems with a tap to drag event not fully releasing of the object you were moving. The touchpad also features two and three-finger gestures for scrolling, zooming, and flicking. With the pointing stick included with the keyboard, the E6410 features two sets of buttons. The top-most buttons for the pointing stick include a middle button which can be configured to control tabs. The buttons are all great to use, with good feedback and a long throw.

Performance and Benchmarks

 System performance was great with the 2.66GHz Intel Core i7 processor and NVIDIA NVS 3100M dedicated graphics with 512MB of video memory. Dell offers a wide range of performance options, including two graphics cards options; Intel GMA HD integrated and NVIDIA NVS 3100 dedicated with 512MB of VRAM. Hard drive options include a 5400 and 7200RPM models and a 128GB SSD. Our particular unit came with a 250GB 7200RPM Scorpio Black that was quick to boot and load applications, although not as fast as it might have been with an SSD.

For standard day to day use, the system worked flawlessly loading up web browsers or office productivity applications. For less than business uses, the system was great at playing HD movies, streaming HD video, and even the occasional game or two while the boss isn't looking. The NVS 3100M graphics card can handle itself well with consumer 3D applications, even though its focus is on business uses. For users who don't need a dedicated graphics card, or don't need the highest performance, it would be suggested to just go with Intel GMA HD integrated graphics for best battery life.

wPrime processor comparison results (lower scores mean better performance):

PCMark05 measures overall system performance (higher scores mean better performance):

PCMark Vantage measures overall system performance (higher scores mean better performance):

3DMark06 measures overall graphics performance for gaming (higher scores mean better performance):

CrystalDiskMark storage drive performance test:

Heat and Noise

 The Dell Latitude E6410 handled itself pretty well under stress, keeping heavy-contact areas like the palmrest and touchpad reasonable under heavy loads. At its peak, after a heavy run of benchmarks, we recorded a temperature of 96F on the bottom of the notebook. Fan noise during our tests stayed at reasonable levels, with the fan staying off or at

a very low speed under a low load, and just above a whisper under a heavy load.

Battery Life
 Dell was kind enough to include a higher-capacity 9-cell battery with our review unit, with the standard being a 60Wh 6-cell battery. We were pretty happy with our results, given the higher-end processor and graphics card configuration. With the screen brightness reduced to 70%, wireless on and refreshing a webpage every 60 seconds, and Windows set to the Balanced profile, the Latitude E6410 stayed on for 7 hours and 2 minutes. During the test we measured an average power consumption rate between 10-12 watts.

Conclusion
 The Dell Latitude E6410 carries over the same look and feel as the E6400 before it, but it sticks to its roots by going back to the older gunmetal color seen on the D620 and D630 notebooks. Performance wise the Intel Core i7 processor and NVIDIA NVS 3100M graphics performed very well, handling everything that would be expected of a higher-end business notebook.

Build quality is fantastic with metal covers on top and bottom. Users looking to tinker with the insides will be happy to see a very user-friendly access cover, needing only one screw removed to open it up. Overall compared to the HP EliteBook 8440w and Lenovo ThinkPad T410, the Latitude E6410 holds its own and performs quite well. If you are cross shopping between models, it's hard not to recommend taking a peak at the Latitude E6410 and see if it fits your needs and budget.

Pros:

Good looks and great build quality
Super easy to upgrade
Good battery life

Cons:

ALPS touchpad hiccups
Lackluster screen contrast ratio

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http://www.dell.com/downloads/global/products/latit/dell_latitude_e6410_spec_sheet.pdf

http://www.dell.com/downloads/global/products/latit/dell_latitude_e6430_spec_sheet.pdf

6410 CPU OPTIONS:

For Sale we have is a Dell Latitude E6410 Laptop equipped with a FAST Intel Core i5 Processor

Specifications

Intel Core i5 - 2.40GHz Processor

4GB DDR3 RAM

320GB Hard Drive

Wireless

14" Widescreen

HD Graphics
DVD Drive

3 x USB Ports

1 x eSATA Port

LAN (Ethernet) Port

Mic and Speaker Port

Windows 7 Professional SP1 Operating System installed

Specification:

Make: Dell
Model: Latitude E6410
Screen Size: 14.1" Backlit (1440x900) Resolution
Processor: Intel Core i5-M560 (2.67 GHz)
Memory: 8 GB DDR3 Ram
Hardrive: 320 GB HDD
Windows Operating System: Windows 7 Professional 64-Bit
License Key Sticker: Windows 7 Professional
Optical Drive: DVD+RW
Network: WiFi & Ethernet
Webcam: Integrated

Processor :Intel Core i5 M540(2.53GHz) or M560 (2.67GHz) depends on stock availability but there is no difference between those two models.
Processor Generation :1st Generation

Memory :4GB DDR3
Hard Drive :160GB HDD
Screen :14.1" Widescreen. 1280 x 800
CD Drive :DVD+/-RW
Os :Windows 7 Professional 64 Bit
Battery :Minimum 1 hour standby
Graphics Card :Intel HD Graphics
AC Adapter :Included
WiFi :Yes
Network :Internal
USB Ports :4
Various :e-Sata, VGA, Firewire, SD Card Reader #
Condition: Perfect working condition. Screen is spotless. scuffs or scratches on the plastic surround

6430 CPU OPTIONS:

INTEL CORE i5-3210M DUAL CORE 2.5GHZ (TURBO BOOST UP TO 3.2GHZ)
INTEL CORE i5-3320M DUAL CORE 2.6GHZ (TURBO BOOST UP TO 3.3GHZ)
INTEL CORE i5-3340M DUAL CORE 2.7GHZ (TURBO BOOST UP TO 3.4GHZ)

RAM OPTIONS:

4GB DDR3 SODIMM RAM
8GB DDR3 SODIMM RAM

OPERATING SYSTEM OPTIONS:

WINDOWS 7 PROFESSIONAL 64 BIT
WINDOWS 10 PROFESSIONAL 64 BIT

OTHER FEATURES:

128GB SOLID STATE DRIVE
DVDRW
WIFI
GIGABIT NETWORK CARD
WEBCAM
14" HD LED SCREEN
HDMI OUTPUT
VGA OUTPUT
AUDIO OUTPUT
4 x USB PORTS (2 x USB 3.0)
SD CARD SLOT

Diseñado para aumentar la productividad y, al mismo tiempo, reducir el coste total de propiedad, el portátil DellTM LatitudeTM E6400 presenta importantes avances en durabilidad, seguridad y movilidad para el trabajo en equipo.

Funciones esenciales y durabilidad probada.
Administración centralizada con funciones avanzadas de seguridad.
Compatibilidad con la cartera de productos Latitude serie E a escala mundial.

Specifications

Intel Core i5 - 2.40GHz Processor

4GB DDR3 RAM

320GB Hard Drive

Wireless

14" Widescreen

HD Graphics
DVD Drive

3 x USB Ports

1 x eSATA Port

LAN (Ethernet) Port

Mic and Speaker Port

Windows 7 Professional SP1 Operating System installed