![DELL logo]

DELL Latitude E5440 Intel® Core™ i5 i5-4310U Laptop 35,6 cm (14") HD+ 4 GB DDR3L-SDRAM 500 GB Hybrid-HDD NVIDIA® GeForce® GT 720M Windows 7 Professional Black

Brand : DELL **Product family:** Latitude **Product code:** 5440-5234

Product name : E5440

Intel Core i5-4310U (3M Cache, up to 3.00 GHz), 4GB DDR3L 1600MHz, 500GB SSHD, 14" HD+ (1600x900) LED, NVIDIA GeForce GT 720M 2GB, DVD+/-RW, Gigabit LAN, WLAN, Bluetooth, WebCam, HDMI, VGA, USB 3.0, Windows 7 Professional 64-bit/Windows 8
DELL Latitude E5440. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4310U, Processor frequency: 2 GHz. Display diagonal: 35,6 cm (14"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: Hybrid-HDD, Optical drive type: DVD±RW. Operating system installed: Windows 7 Professional. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	35,6 cm (14")
Display resolution *	1600 x 900 pixels
Touchscreen *	✘
HD type	HD+
LED backlight	✔
Native aspect ratio	16:9
Display brightness	200 cd/m²
Pixel pitch	0,2265 x 0,2265 mm

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	4th gen Intel® Core™ i5
Processor model *	i5-4310U
Processor cores	2
Processor threads	4
Processor boost frequency	3 GHz
Processor frequency *	2 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1168
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-4300 Mobile series
Processor codename	Haswell
Bus type	DMI2
FSB Parity	✘
Stepping	D0
Thermal Design Power (TDP)	15 W

Processor special features

Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Rapid Start Technology	✘
Intel® Smart Response Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✔
Intel® Matrix Storage Technology (Intel® MST)	✘
Intel® High Definition Audio (Intel® HD Audio)	✔
Intel® Active Management Technology (Intel® AMT)	✘
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✘
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔

Processor

Tjunction	100 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	4x1, 2x4
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 4 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	500 GB
Storage media *	Hybrid-HDD
HDD interface	SATA
HDD speed	5400 RPM
Hybrid-HDD cache type	Flash
Hybrid-HDD capacity	500 GB
Hybrid-HDD cache memory	8 GB
Optical drive type *	DVD±RW
Card reader integrated	✔

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 720M
Discrete graphics card memory	2 GB
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4400
On-board graphics card base frequency	200 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	1,74 GB
On-board graphics card DirectX version	12
On-board graphics card ID	0xA16
Number of discrete graphics cards installed	1

Audio

Audio system	HD
Number of built-in speakers	2
Speaker power	1 W
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Wi-Fi standards	Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Processor special features

Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	40 x 24 x 1.5 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1EE
CPU configuration (max)	1
Embedded options available	✘
UART	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Smart Connect Technology version	1,00
Intel Identity Protection Technology version	1,00
Intel Smart Response Technology version	1,00
Intel Stable Image Platform Program (SIPP) version	1,00
Intel Secure Key Technology version	1,00
Intel Small Business Advantage (SBA) version	1,00
Intel ME Firmware Version	9.5
Intel TSX-NI version	0,00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✘
Intel Rapid Storage Technology	✔
Intel Fast Memory Access	✘
Processor ARK ID	80343
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery capacity *	65 Wh
Battery voltage	11,1 V

Power

AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output voltage	19.5 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✔
Password protection	✔

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
VGA (D-Sub) ports quantity	1
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✔
CardBus PCMCIA slot type	✘
Total number of SATA connectors	4
Number of SATA III connectors	4

Performance

Motherboard chipset	Intel Lynx Point-LP

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Windows keys	✔

Software

Operating system architecture	64-bit
Recovery operating system	Windows 8
Operating system installed *	Windows 7 Professional

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel Smart Connect Technology	✔

Operational conditions

Storage relative humidity (H-H)	5 - 95%
Operating altitude	-15,24 - 3048 m
Non-operating altitude	-15,24 - 10668 m

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	338 mm
Depth	235 mm
Height	28,6 mm
Weight *	2 kg

Packaging content

AC adapter included *	✔
Manual	✔
Quick start guide	✔
Warranty card	✔
Power cord included	✔

Other features

Maximum internal memory (64-bit)	8 GB
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Intel segment tagging	Enterprise

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