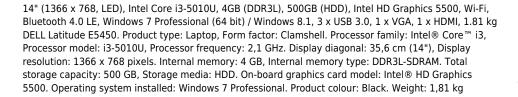![DELL logo]

DELL Latitude E5450 Intel® Core™ i3 i3-5010U Laptop 35,6 cm (14") 4 GB DDR3L-SDRAM 500 GB HDD Windows 7 Professional Black

Brand : DELL　　　　**Product family:** Latitude　　　　**Product code:** 5450-7546

Product name : E5450

14" (1366 x 768, LED), Intel Core i3-5010U, 4GB (DDR3L), 500GB (HDD), Intel HD Graphics 5500, Wi-Fi, Bluetooth 4.0 LE, Windows 7 Professional (64 bit) / Windows 8.1, 3 x USB 3.0, 1 x VGA, 1 x HDMI, 1.81 kg DELL Latitude E5450. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-5010U, Processor frequency: 2,1 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 5500. Operating system installed: Windows 7 Professional. Product colour: Black. Weight: 1,81 kg

Design	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Glass fibre
Market positioning	Business

Display	
Display diagonal *	35,6 cm (14")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt
Display brightness	200 cd/m²

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	5th gen Intel® Core™ i3
Processor model *	i3-5010U
Processor cores	2
Processor threads	4
Processor frequency *	2,1 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	L3
Processor socket	BGA 1168
Processor lithography	14 nm
Processor operating modes	32-bit, 64-bit
Processor series	Intel Core i3-5000 Mobile series

Processor special features	
Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✗
Intel Smart Connect Technology	✗
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	✗
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	✔

Processor

Processor codename	Broadwell
Bus type	DMI2
FSB Parity	✗
Stepping	F0
Thermal Design Power (TDP)	15 W
Configurable TDP-down	10 W
Configurable TDP-down frequency	0,6 GHz
Tjunction	105 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	2x4, 4x1
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	1x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of hard drives installed	1
Hard drive capacity	500 GB
Hard drive interface	SATA
Hard drive size	2.5"
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✗
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 5500
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	900 MHz
Maximum on-board graphics card memory	16 GB
On-board graphics card DirectX version	11.2
On-board graphics card ID	0x1616
Number of discrete graphics cards supported	1

Audio

Audio system	HD
Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels

Network

Wi-Fi	✔
Ethernet LAN	✔

Processor special features

Intel Flex Memory Access	✔
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	✔
Intel TSX-NI	✗
Intel Stable Image Platform Program (SIPP)	✗
Intel® OS Guard	✔
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 24x 1.3 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR23Z
CPU configuration (max)	1
Embedded options available	✔
Graphics & IMC lithography	14 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1,00
Intel Smart Response Technology version	1,00
Intel Stable Image Platform Program (SIPP) version	0,00
Intel Secure Key Technology version	1,00
Intel Small Business Advantage (SBA) version	1,00
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	84697
Conflict-Free processor	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	51 Wh

Power

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

Security

Cable lock slot	✔
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔

Network

Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0
Bluetooth Low Energy (BLE)	✔

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
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	✔
CardBus PCMCIA slot type	✘

Keyboard

Pointing device	DualPoint
Numeric keypad *	✘
Keyboard backlit	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Recovery operating system	Windows 8.1
Operating system installed *	Windows 7 Professional

Security

Password protection	✔

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & dimensions

Weight *	1,81 kg

Packaging content

AC adapter included *	✔
Manual	✔
Power cord included	✔

Other features

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

Catalog Object Cloud