DELL Latitude E7450 Intel® Core™ i7 i7-5600U Laptop 35,6 cm (14") Full HD 8 GB DDR3L-SDRAM 256 GB SSD 802.11ad Windows 7 Professional Black

Brand : DELL   **Product family:** Latitude   **Article code:** 7450-6997

Product name : E7450

DELL Latitude E7450. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-5600U, Processor frequency: 2,6 GHz. Display diagonal: 35,6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 5500. Operating system installed: Windows 7 Professional. Product color: Black

Design	
Product type *	Laptop
Product color *	Black
Form factor *	Clamshell
Housing material	Magnesium
Market positioning	Business

Display	
Display diagonal *	35,6 cm (14")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Display brightness	300 cd/m²
Pixel pitch	0,161 x 0,161 mm

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	5th gen Intel® Core™ i7
Processor model *	i7-5600U
Processor cores	2
Processor threads	4
Processor boost frequency	3,2 GHz
Processor frequency *	2,6 GHz
System bus rate	5 GT/s
Processor cache	4 MB
Processor cache type	L3
Processor socket	BGA 1168
Processor lithography	14 nm
Processor operating modes	32-bit, 64-bit
Processor series	Intel Core i7-5600 Mobile Series

Processor special features	
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	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® Built-in Visuals Technology	✔
Intel HD Graphics	✔
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)	✔

Processor

Processor codename	Broadwell
Bus type	DMI2
FSB Parity	✗
Stepping	F0
Thermal Design Power (TDP)	15 W
Configurable TDP-down	7,5 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	4x1, 2x4
ECC supported by processor	✗

Memory

Internal memory *	8 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	16 GB

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Number of SSDs installed	1
SSD capacity	256 GB
SSD interface	SATA III
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	SD

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)	950 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
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	802.11ad

Processor special features

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 24 x 1.3 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR23V
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	1,00
Intel Secure Key Technology version	1,00
Intel Small Business Advantage (SBA) version	1,00
Intel TSX-NI version	1,00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✗
Intel FDI Technology	✔
Intel Rapid Storage Technology	✗
Intel Fast Memory Access	✔
Processor ARK ID	85215
Conflict-Free processor	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	54 Wh
Battery voltage	7,4 V

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)	✔

Operational conditions

Network

Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11ad, 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
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
Mini DisplayPorts quantity	1
DVI port	✖
S/PDIF out port	✖
Microphone in	✖
Combo headphone/mic port	✔
ExpressCard slot	✖
CardBus PCMCIA slot type	✖
SmartCard slot	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Performance

Motherboard chipset	Intel Wildcat Point-LP

Keyboard

Pointing device	Touchpad
Numeric keypad *	✖
Keyboard backlit	✔
Windows keys	✔

Software

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

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✖

Operational conditions

Operating temperature (T-T)	0 - 60 °C
Storage temperature (T-T)	-51 - 71 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	-15,2 - 3048 m
Non-operating altitude	-15,2 - 10668 m

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	337 mm
Depth	231,5 mm
Height	20,4 mm
Weight *	1,56 kg

Packaging content

AC adapter included *	✔
Manual	✔
Power cord included	✔

Other features

LightScribe	✖
Maximum internal memory (64-bit)	16 GB
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Intel segment tagging	Enterprise

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Catalog Object Cloud