



## 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		Processor special features	
Product type *	Laptop	Intel Smart Connect Technology	✗
Product color *	Black	Intel® Anti-Theft Technology (Intel® AT)	✗
Form factor *	Clamshell	Intel® Rapid Start Technology	✗
Housing material	Magnesium	Intel® Smart Response Technology	✓
Market positioning	Business	Intel® Identity Protection Technology (Intel® IPT)	✓
Display		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Display diagonal *	35,6 cm (14")	Intel® Turbo Boost Technology	2.0
Display resolution *	1920 x 1080 pixels	Intel® Small Business Advantage (Intel® SBA)	✓
Touchscreen *	✗	Intel® Matrix Storage Technology (Intel® MST)	✗
HD type	Full HD	Intel® High Definition Audio (Intel® HD Audio)	✗
LED backlight	✓	Intel® Active Management Technology (Intel® AMT)	✗
Native aspect ratio	16:9	Enhanced Intel SpeedStep Technology	✓
Display brightness	300 cd/m²	Intel® Built-in Visuals Technology	✓
Pixel pitch	0,161 x 0,161 mm	Intel HD Graphics	✓
Processor		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✓
Processor family *	Intel® Core™ i7	Intel® InTru™ 3D Technology	✓
Processor generation	5th gen Intel® Core™ i7	Intel® Insider™	✓
Processor model *	i7-5600U	Intel® Quick Sync Video Technology	✓
Processor cores	2	Intel Flex Memory Access	✓
Processor threads	4	Intel® Smart Cache	✓
Processor boost frequency	3,2 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
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		Processor special features	
Processor codename	Broadwell	Intel Trusted Execution Technology	✓
Bus type	DMI2	Intel Enhanced Halt State	✓
FSB Parity	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Stepping	F0	Intel Demand Based Switching	✗
Thermal Design Power (TDP)	15 W	Intel® Secure Key	✓
Configurable TDP-down	7,5 W	Intel TSX-NI	✓
Configurable TDP-down frequency	0,6 GHz	Intel Stable Image Platform Program (SIPP)	✓
Tjunction	105 °C	Intel® OS Guard	✓
Maximum number of PCI Express lanes	12	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
PCI Express slots version	2.0	Intel 64	✓
PCI Express configurations	4x1, 2x4	Execute Disable Bit	✓
ECC supported by processor	✗	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	8 GB	Processor package size	40 x 24 x 1.3 mm
Internal memory type	DDR3L-SDRAM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory clock speed	1600 MHz	Processor code	SR23V
Memory form factor	SO-DIMM	CPU configuration (max)	1
Memory slots	2x SO-DIMM	Embedded options available	✗
Maximum internal memory *	16 GB	Graphics & IMC lithography	14 nm
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	256 GB	Intel Identity Protection Technology version	1,00
Storage media *	SSD	Intel Smart Response Technology version	1,00
Number of SSDs installed	1	Intel Stable Image Platform Program (SIPP) version	1,00
SSD capacity	256 GB	Intel Secure Key Technology version	1,00
SSD interface	SATA III	Intel Small Business Advantage (SBA) version	1,00
Optical drive type *	✗	Intel TSX-NI version	1,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	SD	Intel Dual Display Capable Technology	✗
Graphics		Intel FDI Technology	✓
Discrete graphics card model *	Not available	Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Intel Fast Memory Access	✓
Discrete graphics card *	✗	Processor ARK ID	85215
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 5500	Battery	
On-board graphics card base frequency	300 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	950 MHz	Number of battery cells	4
Maximum on-board graphics card memory	16 GB	Battery capacity *	54 Wh
On-board graphics card DirectX version	11.2	Battery voltage	7,4 V
On-board graphics card ID	0x1616	Power	
Number of discrete graphics cards supported	1	AC adapter frequency	50 - 60 Hz
Audio		AC adapter input voltage	100 - 240 V
Audio system	HD	DC-in jack	✓
Number of built-in speakers	2	Security	
Speaker power	2 W	Cable lock slot	✓
Built-in microphone	✓	Fingerprint reader	✓
Camera		Trusted Platform Module (TPM)	✓
Front camera	✓	Operational conditions	
Network			
Wi-Fi	✓		
Top Wi-Fi standard *	802.11ad		

Network		Operational conditions	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11ad, 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Operating temperature (T-T)	0 - 60 °C
Ethernet LAN	✓	Storage temperature (T-T)	-51 - 71 °C
Ethernet LAN data rates	10,100,1000 Mbit/s	Operating relative humidity (H-H)	10 - 90%
Bluetooth	✓	Storage relative humidity (H-H)	5 - 95%
Bluetooth version	4.0	Operating altitude	-15,2 - 3048 m
Bluetooth Low Energy (BLE)	✓	Non-operating altitude	-15,2 - 10668 m
Ports & interfaces		Sustainability	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Sustainability certificates	ENERGY STAR
Ethernet LAN (RJ-45) ports	1	Weight & dimensions	
HDMI ports quantity *	1	Width	337 mm
Mini DisplayPorts quantity	1	Depth	231,5 mm
DVI port	✗	Height	20,4 mm
S/PDIF out port	✗	Weight *	1,56 kg
Microphone in	✗	Packaging content	
Combo headphone/mic port	✓	AC adapter included *	✓
ExpressCard slot	✗	Manual	✓
CardBus PCMCIA slot type	✗	Power cord included	✓
SmartCard slot	✓	Other features	
USB Sleep-and-Charge	✓	LightScribe	✗
USB Sleep-and-Charge ports	1	Maximum internal memory (64-bit)	16 GB
Performance		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Motherboard chipset	Intel Wildcat Point-LP	Intel segment tagging	Enterprise
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)	✗		



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