



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

Product code: 7450-6997

Product name : E7450



14" (1920 x 1080, LED), Intel Core i7-5600U, 8GB (DDR3L), 256GB (SSD), Intel HD Graphics 5500, Windows 7 Professional (64 bit) / Windows 8.1, 802.11 a/b/g/n/ac/ad, Bluetooth 4.0 LE, 3 x USB 3.0, 1 x HDMI, 1 x LAN, 1 x Mini DisplayPort, 1.56 kg

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 colour: Black



Design		Processor special features	
Product type *	Laptop	Intel Smart Connect Technology	✗
Product colour *	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
Solid-state drive capacity	256 GB	Intel Secure Key Technology version	1,00
Solid-state drive 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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