



DELL Latitude E5450 i7-5600U Notebook 35.6 cm (14") Full HD Intel® Core™ i7 8 GB DDR3L-SDRAM 256 GB SSD NVIDIA® GeForce® 840M Windows 7 Professional Black

Brand : DELL

Product family: Latitude

Product code: 5450-6971

Product name : E5450

14" FullHD (1920x1080), Intel Core i7-5600U (4M Cache, up to 3.20 GHz), 8GB DDR3L, 256GB SSD, Intel HD Graphics 5500 + Nvidia GeForce 840M, Wi-Fi + Bluetooth 4.0 LE, SCR/FPR, Webcam, BIKb, 4-Cell, Windows 7 Professional (64-bit) + Windows 8.1 Pro

DELL Latitude E5450. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: 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 *	Notebook	Intel Anti-Theft Technology	✗
Product colour *	Black	Intel® Rapid Start Technology	✗
Form factor *	Clamshell	Intel® Smart Response Technology	✓
Display		Intel Identity Protection Technology	✓
Display diagonal *	35.6 cm (14")	Intel Hyper-Threading Technology	✓
Display resolution *	1920 x 1080 pixels	Intel Turbo Boost Technology	2.0
Touch screen *	✗	Intel® Small Business Advantage (Intel® SBA)	✓
HD type	Full HD	Intel Matrix Storage Technology	✗
LED backlight	✓	Intel HD Audio Technology	✗
Native aspect ratio	16:9	Intel Active Management Technology	✗
Display brightness	300 cd/m²	Enhanced Intel SpeedStep Technology	✓
Pixel pitch	0.161 x 0.161 mm	Intel® RealSense™ Technology	✗
Processor		Intel Clear Video HD Technology	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✓
Processor generation	5th gen Intel® Core™ i7	Intel® InTru™ 3D Technology	✓
Processor *	i7-5600U	Intel® Insider™	✓
Processor family *	Intel® Core™ i7	Intel® Quick Sync Video Technology	✓
Processor frequency *	2.6 GHz	Intel Flex Memory Access	✓
Processor boost frequency	3.2 GHz	Intel® Smart Cache	✓
Processor number of cores	2	Intel AES New Instructions	✓
Processor threads	4	Intel Trusted Execution Technology	✓
System bus data transfer rate	5 GT/s	Intel Enhanced Halt State	✓
Processor cache	4 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	L3	Intel Demand Based Switching	✗
Processor socket	BGA 1168	Intel® Secure Key	✓
Processor lithography	14 nm	Intel TSX-NI	✓
Processor operating modes	32-bit, 64-bit	Intel Stable Image Platform Program (SIPP)	✓
Processor series	Intel Core i7-5600 Mobile Series	Intel® OS Guard	✓
Processor codename	Broadwell	Intel Clear Video Technology for MID	✓
Bus type	DMI2	Intel 64	✓
FSB Parity	✗		
Stepping	F0		
Thermal Design Power (TDP)	15 W		

Processor		Processor special features	
Configurable TDP-down	7.5 W	Execute Disable Bit	✓
Configurable TDP-down frequency	0.6 GHz	Idle States	✓
Tjunction	105 °C	Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	12	Processor package size	40 x 24 x 1.3 mm
PCI Express slots version	2.0	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
PCI Express configurations	4x1, 2x4	Processor code	SR23V
ECC supported by processor	✗	CPU configuration (max)	1
Memory		Embedded options available	✗
Internal memory *	8 GB	Graphics & IMC lithography	14 nm
Internal memory type	DDR3L-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speed	1600 MHz	Intel Identity Protection Technology version	1.00
Memory form factor	SO-DIMM	Intel Smart Response Technology version	1.00
Memory layout (slots x size)	1 x 8 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Memory slots	2x SO-DIMM	Intel Secure Key Technology version	1.00
Maximum internal memory *	16 GB	Intel Small Business Advantage (SBA) version	1.00
Storage		Intel TSX-NI version	1.00
Total storage capacity *	256 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD	Intel Dual Display Capable Technology	✗
Number of SSDs installed	1	Intel FDI Technology	✓
Solid-state drive capacity	256 GB	Intel Rapid Storage Technology	✗
Optical drive type *	✗	Intel Fast Memory Access	✓
Card reader integrated	✓	Processor ARK ID	85215
Compatible memory cards	SD	Conflict-Free processor	✓
Graphics		Battery	
Discrete graphics card model *	NVIDIA® GeForce® 840M	Battery technology	Lithium Polymer (LiPo)
On-board graphics card *	✓	Number of battery cells	4
Discrete graphics card *	✓	Battery capacity *	51 Wh
On-board graphics card family	Intel® HD Graphics	Battery voltage	7.4 V
On-board graphics card model *	Intel® HD Graphics 5500	Battery life (max)	14.5 h
On-board graphics card base frequency	300 MHz	Energy Management	
On-board graphics card dynamic frequency (max)	950 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	16 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	11.2	AC adapter output voltage	19.5 V
On-board graphics card ID	0x1616	Security	
Number of discrete graphics cards installed	1	Cable lock slot	✓
Audio		Fingerprint reader	✓
Audio system	HD	Trusted Platform Module (TPM)	✓
Number of built-in speakers	2	Operational Conditions	
Speaker power	2 W	Operating temperature range (T-T)	0 - 35 °C
Built-in microphone	✓	Storage temperature range (T-T)	-40 - 65 °C
Camera		Operating relative humidity range	10 - 90%
Front camera	✓	Storage relative humidity range	5 - 95%
Front camera resolution	1280 x 720 pixels	Operating altitude	0 - 3048 m
Network		Non-operating altitude	0 - 10668 m
Wi-Fi	✓	Certificates	
Ethernet LAN connection	✓	Certification	BFR, PVC
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability	
Bluetooth	✓	Sustainability certificates	EPEAT Gold, ENERGY STAR
Bluetooth version	4.0	Weight & Dimensions	
Bluetooth Low Energy (BLE)	✓	Width	334.9 mm
Ports & interfaces		Depth	231.2 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Height (rear)	2.29 cm

Ports & interfaces		Weight & Dimensions	
Ethernet LAN (RJ-45) ports quantity	1	Weight *	1.81 kg
HDMI ports quantity *	1	Packaging Content	
DVI port	✗	Manual	✓
VGA (D-Sub) ports quantity	1	Quick start guide	✓
S/PDIF out port	✗	Power cord included	✓
Microphone in	✗	Other features	
Combo headphone/mic port	✓	AC adapter bundled	✓
Charging port type	DC-in jack	LightScribe	✗
ExpressCard slot	✗	Maximum internal memory (64-bit)	16 GB
CardBus PCMCIA slot type	✗	Intel Virtualization Technology	VT-d, VT-x
SmartCard slot	✓	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 Pro		
Operating system installed *	Windows 7 Professional		
Processor special features			
Intel Wireless Display (WiDi) Technology	✓		
Intel My WiFi Technology	✗		
Intel Smart Connect Technology	✗		



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Publication date: 16-JAN-2023. Prints or copies of Information are only valid on the printed Publication date