



Lenovo ThinkPad Edge E540 Intel® Core™ i5 i5-4210M Laptop 39.6 cm (15.6") 4 GB DDR3L-SDRAM 500 GB HDD Windows 8 Black

Brand : Lenovo

Product family: ThinkPad

Product code: 20C6CTO1WW

Product name : E540

15.6" 1366x768 LED, Intel Core i5-4210M 2.6GHz, 4GB DDR3L 1600MHz, 500GB SATA 7200rpm, DVD±RW, Gigabit Ethernet, 802.11b/g/n, Bluetooth 4.0, HD WebCam, 2.44kg, Windows 8 64-bit
Lenovo ThinkPad Edge E540. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4210M, Processor frequency: 2.6 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Windows 8. Product colour: Black



Design		Keyboard	
Product type *	Laptop	Island-style keyboard	✓
Product colour *	Black	Full-size keyboard	✓
Form factor *	Clamshell	Windows keys	✓
Housing material	Plastic		
Intel® vPro™ Platform Eligibility	✗	Software	
		Operating system architecture	64-bit
		Operating system installed *	Windows 8
Display		Processor special features	
Display diagonal *	39.6 cm (15.6")	Intel® Wireless Display (Intel® WiDi)	✓
Display resolution *	1366 x 768 pixels	Intel® My WiFi Technology (Intel® MWT)	✗
Touchscreen *	✗	Intel Smart Connect Technology	✗
LED backlight	✓	Intel® Anti-Theft Technology (Intel® AT)	✓
Native aspect ratio	16:9	Intel® Rapid Start Technology	✗
Display surface	Matt	Intel® Smart Response Technology	✗
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor generation	4th gen Intel® Core™ i5	Intel® Small Business Advantage (Intel® SBA)	✗
Processor model *	i5-4210M	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor cores	2	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor threads	4	Intel® Active Management Technology (Intel® AMT)	✗
Processor boost frequency	3.2 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2.6 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	5 GT/s	Intel Clear Video Technology	✗
Processor cache	3 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	Smart Cache		
Processor socket	PGA946		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		
Bus type	DMI		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	37 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® Insider™	✓
Maximum number of PCI Express lanes	16	Intel® Quick Sync Video Technology	✓
PCI Express slots version	3.0	Intel Flex Memory Access	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Smart Cache	✓
ECC supported by processor	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	4 GB	Intel Enhanced Halt State	✗
Internal memory type	DDR3L-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	1600 MHz	Intel Demand Based Switching	✗
Memory layout (slots x size)	1 x 4 GB	Intel® Secure Key	✓
Memory slots	2x SO-DIMM	Intel TSX-NI	✗
Maximum internal memory *	16 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage		Intel 64	✓
Total storage capacity *	500 GB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
HDD capacity	500 GB	Processor package size	37.5 x 37.5 x 4.7 mm
HDD interface	SATA	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD speed	7200 RPM	Processor code	SR1L4
HDD size	2.5"	CPU configuration (max)	1
Optical drive type *	DVD±RW	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Identity Protection Technology version	1.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	Not available	Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✗	Intel Dual Display Capable Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel FDI Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	400 MHz	Intel Fast Memory Access	✗
On-board graphics card dynamic frequency (max)	1150 MHz	Processor ARK ID	81012
Maximum on-board graphics card memory	1.74 GB	Conflict-Free processor	✓
On-board graphics card DirectX version	11.1	Battery	
On-board graphics card ID	0x416	Battery technology	Lithium-Ion (Li-Ion)
Audio		Number of battery cells	6
Audio system	Dolby Advanced v2	Power	
Number of built-in speakers	2	DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✓
Front camera	✓	Cable lock slot type	Kensington
Front camera resolution (numeric)	1 MP	Password protection	✓
Front camera resolution	1280 x 720 pixels	Certificates	
Network		Compliance certificates	RoHS
Wi-Fi	✓	Sustainability	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width	377 mm
Bluetooth	✓	Depth	250 mm
Bluetooth version	4.0		
Ports & interfaces			
USB 2.0 ports quantity *	1		

Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Height	26.6 mm
Ethernet LAN (RJ-45) ports	1	Weight *	2.44 kg
HDMI ports quantity *	1	Packaging content	
DVI port	✗	AC adapter included *	✓
VGA (D-Sub) ports quantity	1	Manual	✓
S/PDIF out port	✗	Power cord included	✓
Microphone in	✗	Other features	
Combo headphone/mic port	✓	Maximum internal memory (64-bit)	16 GB
ExpressCard slot	✗	Intel® Virtualization Technology (Intel® VT)	VT-x
CardBus PCMCIA slot type	✗	Intel segment tagging	Home office, Small Business
SmartCard slot	✗		
USB Sleep-and-Charge	✓		
USB Sleep-and-Charge ports	1		
Performance			
Motherboard chipset	Intel® HM87		
Keyboard			
Pointing device	ThinkPad UltraNav		
Numeric keypad *	✓		

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