



Lenovo ThinkPad Edge E420 i5-2410M 35.6 cm (14") Intel® Core™ i5 4 GB DDR3-SDRAM 500 GB Windows 7 Professional

Brand : Lenovo

Product family: ThinkPad

Product code: NZ14JHV

Product name : E420

ThinkPad Edge E420 - Intel Core i5-2410M (2.30GHz), 4GB DDR3 RAM, 500GB SATA HDD, 14" LCD (1366x768), Gigabit Ethernet, WLAN 802.11b/g/n, Windows 7 Professional 64-bit

Lenovo ThinkPad Edge E420. Processor family: Intel® Core™ i5, Processor model: i5-2410M, Processor frequency: 2.3 GHz. Display diagonal: 35.6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics 3000. Operating system installed: Windows 7 Professional. Weight: 2.2 kg



Display		Software	
Display diagonal *	35.6 cm (14")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Operating system installed *	Windows 7 Professional
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
Display brightness	220 cd/m ²	Intel® My WiFi Technology (Intel® MWT)	✓
Contrast ratio (typical)	500:1	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	2nd gen Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor model *	i5-2410M	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Core™ i5	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2.3 GHz	Intel Clear Video Technology	✗
Processor boost frequency	2.9 GHz	Intel® InTru™ 3D Technology	✓
Processor cores	2	Intel® Insider™	✗
Processor threads	4	Intel® Quick Sync Video Technology	✓
System bus rate	5 GT/s	Intel Flex Memory Access	✓
Processor cache	3 MB	Intel® Smart Cache	✓
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor socket	BGA 1023	Intel Trusted Execution Technology	✗
Processor lithography	32 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit		
Processor series	Intel Core i5-2400 Mobile Series		
Processor codename	Sandy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	J1		

Processor		Processor special features	
Thermal Design Power (TDP)	35 W	Intel VT-x with Extended Page Tables (EPT)	✓
Tjunction	100 °C	Intel Demand Based Switching	✗
Maximum number of PCI Express lanes	16	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
PCI Express slots version	2.0	Intel 64	✓
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Execute Disable Bit	✓
CPU multiplier (bus/core ratio)	23	Idle States	✓
ECC supported by processor	✗	Thermal Monitoring Technologies	✓
Memory		Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Internal memory *	4 GB	Supported instruction sets	AVX
Internal memory type	DDR3-SDRAM	Embedded options available	✗
Memory clock speed	1333 MHz	Graphics & IMC lithography	32 nm
Memory slots	2x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Maximum internal memory *	8 GB	Intel Identity Protection Technology version	1.00
Storage		Intel Virtualization Technology (VT-x)	✓
Total storage capacity *	500 GB	Intel Dual Display Capable Technology	✓
Number of HDDs installed	1	Intel FDI Technology	✓
HDD interface	SATA	Intel Rapid Storage Technology	✗
HDD speed	7200 RPM	Intel Fast Memory Access	✓
Optical drive type *	DVD-RW	Processor ARK ID	52224
Card reader integrated	✓	Conflict-Free processor	✗
Compatible memory cards	MMC, SD, SDHC, SDXC	Integrated 4G WiMAX	✓
Graphics		Battery	
On-board graphics card *	✓	Number of battery cells	6
On-board graphics card family	Intel® HD Graphics	Battery capacity *	57 Wh
On-board graphics card model *	Intel® HD Graphics 3000	Battery life (max)	6.2 h
On-board graphics card base frequency	650 MHz	Power	
On-board graphics card dynamic frequency (max)	1200 MHz	AC adapter power	65 W
On-board graphics card ID	0x116	Security	
Audio		Cable lock slot	✓
Audio system	HD	Cable lock slot type	Kensington
Number of built-in speakers	2	Sustainability	
Network		Sustainability certificates	RoHS, EPEAT Gold, ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Networking features	Gigabit Ethernet	Width	343.4 mm
Ethernet LAN	✓	Depth	233.6 mm
Bluetooth	✗	Height (front)	2.87 cm
Cabling technology	10/100/1000Base-T(X)	Height (rear)	3.64 cm
Ports & interfaces		Width (imperial)	34.3 cm (13.5")
USB 2.0 ports quantity *	3	Depth (imperial)	23.4 cm (9.2")
eSATA/USB 2.0 ports quantity	1	Height (front) (imperial)	2.87 cm (1.13")
Ethernet LAN (RJ-45) ports	1	Height (rear) (imperial)	3.63 cm (1.43")
HDMI ports quantity *	1	Weight *	2.2 kg
DVI port	✗	Features	
VGA (D-Sub) ports quantity	1	Images Type Map	✗
Headphone outputs	1	Other features	
S/PDIF out port	✗	AC adapter included	✓
Microphone in	✓	Infrared data port	✗
Docking connector	✗	Type	PC
Charging port type	DC-in jack	Display	TFT
ExpressCard slot	✓	Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
TV-out	✗		
Keyboard			
Pointing device	ThinkPad UltraNav		

Keyboard

Spill-resistant keyboard ✓
Full-size keyboard ✓

Other features

HDD user password ✓
Intel segment tagging Home office, Small Business

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