



Lenovo ThinkPad T420 Intel Core i7 i7-2640M 35,6 sentimetro (14") HD+ 4 GB DDR3-SDRAM 160 GB SSD Windows 7 Professional Itim

Brand : Lenovo

Product family: ThinkPad

Product code: 4178A56

Product name : T420

Lenovo ThinkPad T420. Pamilya ng processor: Intel Core i7, Modelo ng processor: i7-2640M, Prikwensiya ng processor: 2,8 GHz. Ipakita ang dayagonal: 35,6 sentimetro (14"), Uri ng HD: HD+, Resolusyon ng display: 1600 x 900 (mga) pixel. Panloob na memory: 4 GB, Uri ng panloob na memory: DDR3-SDRAM. Kabuuang kapasidad ng storage: 160 GB, Storage media: SSD, Uri ng optical drive: DVD±RW. On-board na modelo ng graphics card: Intel HD Graphics 3000. Naka-install ang operating system: Windows 7 Professional. Kulay ng produkto: Itim. Timbang: 2,24 kilo



Disenyo		Keyboard	
Kulay ng produkto *	Itim	Layout ng keyboard	QWERTY
Materyal sa pabahay	Plastic	Software	
Display		Arkitektura ng operating system	64-bit
Ipakita ang dayagonal *	35,6 sentimetro (14")	May kasamang mga driver	✓
Resolusyon ng display *	1600 x 900 (mga) pixel	Naka-install ang operating system *	Windows 7 Professional
Uri ng HD	HD+	Mga espesyal na feature ng processor	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native na aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Panlabas na display	Matt	Intel® Anti-Theft Technology (Intel® AT)	✓
Liwanag ng display	230 cd/m²	Intel® Identity Protection Technology (Intel® IPT)	✓
Dual-screen	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Contrast ratio (karaniwan)	300:1	Intel® Turbo Boost Technology	2.0
Processor		Pinahusay na Intel SpeedStep Technology	✓
Gumagawa ng processor *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Pamilya ng processor *	Intel Core i7	Intel Clear Video Technology	✗
Henerasyon ng processor	Intel Core i7-2xxx	Intel® InTru™ 3D Technology	✓
Modelo ng processor *	i7-2640M	Intel® Insider™	✓
Mga core ng processor	2	Intel® Quick Sync Video Technology	✓
Mga thread ng processor	4	Intel Flex Memory Access	✓
Prikwensiya ng pagpapalakas ng processor	3,5 GHz	Intel® Smart Cache	✓
Prikwensiya ng processor *	2,8 GHz	Intel® AES Bagong Mga Tagubilin (Intel® AES-NI)	✓
Rate ng bus ng system	5 GT/s	Intel Trusted Execution Technology	✓
Cache ng processor	4 MB	Intel Enhanced Halt State	✓
Uri ng cache ng processor	Smart Cache	Intel VT-x na may Extended Page Tables (EPT)	✓
Lithography ng processor	32 nm	Intel Demand Based Switching	✗
Mga mode ng pagpapatakbo ng processor	64-bit		
Serye ng processor	Intel Core i7-2600 Mobile Series		
Codename ng processor	Sandy Bridge		
Uri ng bus	DMI		
Pagkakapantay-pantay ng FSB	✗		
Paghakbang	J1		
Thermal Design Power (TDP)	35 W		

Processor		Mga espesyal na feature ng processor	
Tjunction	100 C	Intel® Clear Video Technology para sa Mga Mobile Internet Device (Intel CVT para sa MID)	✗
Maximum na bilang ng mga linya ng PCI Express	16	Intel 64	✓
Bersyon ng mga slot ng PCI Express	2.0	Ipatupad ang Disable Bit	✓
Mga pagsasaayos ng PCI Express	1x16, 2x8	Idle States	✓
Multiplier ng CPU (bus/core ratio)	28	Thermal Monitoring Technologies	✓
Suportado ng processor ng ECC	✗	Laki ng package ng processor	37.5 x 37.5 (rPGA988B); 31 x 24 (BGA1023)
Memory		Mga suportadong set ng pagtuturo	AVX
Panloob na memory *	4 GB	Code ng processor	SR03R
Uri ng panloob na memory	DDR3-SDRAM	Configuration ng CPU (max)	1
Bilis ng orasan ng memory	1333 MHz	Available ang mga naka-embed na opsyon	✗
Mga puwang ng memory	2x SO-DIMM	Graphics at IMC lithography	32 nm
Maximum na panloob na memory *	8 GB	Intel Virtualization Technology para sa Nakadirektang I/O (VT-d)	✓
Storage		Bersyon ng Intel Identity Protection Technology	1,00
Kabuuang kapasidad ng storage *	160 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD	Intel Dual Display Capable Technology	✓
Kapasidad ng SSD	160 GB	Intel FDI Technology	✓
Interface ng SSD	SATA	Intel Rapid Storage Technology	✗
Uri ng optical drive *	DVD±RW	Intel Fast Memory Access	✓
Isinama ang card reader	✓	Processor ARK ID	53464
Mga katugmang memory card	MMC, SD, SDHC, SDXC	Walang salungatan na processor	✗
Mga graphic		Pinagsamang 4G WiMAX	✓
Discrete na modelo ng graphics card *	Hindi magagamit	Baterya	
On-board na graphics card *	✓	Teknolohiya ng baterya	Lithium-Ion (Li-Ion)
Discrete na graphics card *	✗	Tagal ng baterya (max)	9 h
Pamilya ng on-board ng graphics card	Intel HD Graphics	Kuryente	
On-board na modelo ng graphics card *	Intel HD Graphics 3000	Kuryente ng AC adapter	90 W
On-board na prikwensiya ng graphics card base	650 MHz	Dalas ng AC adapter	50 - 60 Hz
On-board na prikwensiya ng graphics card dynamic (max)	1300 MHz	DC-in jack	✓
On-board na graphics card ID	0x116	Seguridad	
Audio		Puwang ng lock ng cable	✓
Sistema ng audio	HDA	Reader ng fingerprint	✓
Bilang ng mga built-in na speaker	2	Trusted Platform Module (TPM)	✓
Lakas ng speaker	1 W	Uri ng proteksyon ng password	BIOS
Built-in na subwoofer	✗	Mga kondisyon sa pagpapatakbo	
Built-in na mikropono	✓	Temperatura ng pagpapatakbo (T-T)	5 - 35 °C
Direktang 3D na tunog ng audio system	✗	Temperatura ng storage (T-T)	5 - 43 °C
Network		Relatibong humidity ng pagpapatakbo (H-H)	8 - 95%
Wi-Fi	✓	Relatibong humidity ng storage (H-H)	5 - 95%
Mga feature ng networking	1Gb Ethernet	Taas ng pagpapatakbo	0 - 3048 metro
Mga pamantayan ng Wi-Fi	802.11a, 802.11g, Wi-Fi 4 (802.11n)	Timbang at sukat	
LAN ng ethernet	✓	Lapad	340 milimetro
Bluetooth	✗	Lalim	229,8 milimetro
WWAN	✗	Taas (harap)	2,99 sentimetro
Network ng data	Hindi suportado	Taas (likod)	3,04 sentimetro
Teknolohiya sa paglalagay ng cable	10/100/1000Base-T(X)	Lapad (imperyál)	34 sentimetro (13.4")
4G WiMAX	✗	Lalim (imperyál)	23 sentimetro (9.05")
Mga port at interface		Height (front) (imperial)	3 sentimetro (1.18")
Dami ng USB 2.0 port *	3	Height (rear) (imperial)	3,05 sentimetro (1.2")
Dami ng eSATA/USB 2.0 port	1	Timbang *	2,24 kilo
Mga port ng Ethernet LAN (RJ-45).	1		
Dami ng DisplayPorts	1		

Mga port at interface		Nilalaman ng packaging	
DVI na port	✗	May kasamang AC adapter *	✓
Dami ng mga port ng VGA (D-Sub).	1	May kasamang remote control	✗
Mga output ng headphone	1	Iba pang mga feature	
S/PDIF out na port	✗	LightScribe	✗
Nakapasok ang mikropono	✓	Infrared na data port	✗
Line-in	✗	Pamilya ng graphics card	Intel
Connector ng pag-dock	✗	3D	✗
Slot ng ExpressCard	✓	Uri	PC
Uri ng slot ng CardBus PCMCIA	✗	Display	LED
SmartCard slot	✗	Mga kinakailangang kuryente	100/240 V
TV-out	✗	Mga hot key	7
Pagganap		TV-in na port	✗
Chipset ng motherboard	Intel QM67 Express	Password ng user ng HDD	✓
Keyboard		Panloob na modem	✗
Aparato sa pagturo	ThinkPad UltraNav	Buong duplex ng audio system	✗
Numeric na keypad *	✗	Isinama ang TV tuner	✗
Buong sukat na keyboard	✗	Intel segment tagging	Opisina sa bahay, Maliit na negosyo
Numero ng keyboard ng mga key	89		

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