



Lenovo ThinkPad W520 Intel Core i7 i7-2720QM Mobile workstation 39,6 sentimetro (15.6") Buong HD 4 GB DDR3-SDRAM 500 GB HDD NVIDIA Quadro 1000M Windows 7 Professional Itim



Brand : Lenovo

Product family: ThinkPad

Product code: NY54CGE

Product name : W520

Lenovo ThinkPad W520. Uri ng produkto: Mobile workstation, Salik ng form: kabibi. Pamilya ng processor: Intel Core i7, Modelo ng processor: i7-2720QM, Prikwensiya ng processor: 2,2 GHz. Ipakita ang dayagonal: 39,6 sentimetro (15.6"), Uri ng HD: Buong HD, Resolusyon ng display: 1920 x 1080 (mga) pixel. Panloob na memory: 4 GB, Uri ng panloob na memory: DDR3-SDRAM. Kabuuang kapasidad ng storage: 500 GB, Storage media: HDD, Uri ng optical drive: DVD-RW. Naka-install ang operating system: Windows 7 Professional. Kulay ng produkto: Itim

Disenyo		Mga port at interface	
Uri ng produkto *	Mobile workstation	Uri ng slot ng CardBus PCMCIA	✗
Kulay ng produkto *	Itim	TV-out	✗
Salik ng form *	kabibi	Pagganap	
Display		Chipset ng motherboard	Intel QM67 Express
Ipakita ang dayagonal *	39,6 sentimetro (15.6")	Keyboard	
Resolusyon ng display *	1920 x 1080 (mga) pixel	Aparato sa pagturo	ThinkPad UltraNav
Touchscreen *	✗	Numeric na keypad *	✗
Uri ng HD	Buong HD	Keyboard na hindi tinatablan ng pagbuhos	✓
LED backlight	✓	Mga key sa Windows	✓
Native na aspect ratio	16:9	Software	
Processor		Arkitektura ng operating system	64-bit
Gumagawa ng processor *	Intel	Naka-install ang operating system *	Windows 7 Professional
Pamilya ng processor *	Intel Core i7	Mga espesyal na feature ng processor	
Henerasyon ng processor	Intel Core i7-2xxx	Intel® Wireless Display (Intel® WiDi)	✓
Modelo ng processor *	i7-2720QM	Intel® My WiFi Technology (Intel® MWT)	✓
Mga core ng processor	4	Intel® Anti-Theft Technology (Intel® AT)	✓
Mga thread ng processor	8	Intel® Smart Response Technology	✗
Prikwensiya ng pagpapalakas ng processor	3,3 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Prikwensiya ng processor *	2,2 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Cache ng processor	6 MB	Intel® Turbo Boost Technology	2.0
Uri ng cache ng processor	Smart Cache	Intel® Small Business Advantage (Intel® SBA)	✗
Socket ng processor	Socket 1224	Pinahusay na Intel SpeedStep Technology	✓
Processor sa harap na bahagi ng bus	1600 MHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Lithography ng processor	32 nm	Intel Clear Video Technology	✗
Mga mode ng pagpapatakbo ng processor	64-bit	Intel® InTru™ 3D Technology	✓
Serye ng processor	Intel Core i7-2700 Mobile Series	Intel® Insider™	✓
Codename ng processor	Sandy Bridge	Intel® Quick Sync Video Technology	✓
Uri ng bus	DMI	Intel Flex Memory Access	✓
Pagkakapantay-pantay ng FSB	✗	Intel® AES Bagong Mga Tagubilin (Intel® AES-NI)	✓
Paghakbang	D2	Intel Trusted Execution Technology	✓
Thermal Design Power (TDP)	45 W		
Tjunction	100 C		
Maximum na bilang ng mga linya ng PCI Express	16		
Bersyon ng mga slot ng PCI Express	2.0		
Mga pagsasaayos ng PCI Express	1x16, 2x8		
Multiplier ng CPU (bus/core ratio)	22		

Processor		Mga espesyal na feature ng processor	
Suportado ng processor ng ECC	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x na may Extended Page Tables (EPT)	✓
Panloob na memory *	4 GB	Intel Demand Based Switching	✗
Uri ng panloob na memory	DDR3-SDRAM	Intel® Clear Video Technology para sa Mga Mobile Internet Device (Intel CVT para sa MID)	✗
Bilis ng orasan ng memory	1333 MHz	Intel 64	✓
Mga puwang ng memory	4x SO-DIMM	Ipatupad ang Disable Bit	✓
Maximum na panloob na memory *	32 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Kabuuang kapasidad ng storage *	500 GB	Laki ng package ng processor	37.5 x 37.5 (rPGA988B); 31.0 x 24.0 (BGA1224)
Storage media *	HDD	Mga suportadong set ng pagtuturo	AVX
Bilang ng mga naka-install na HDD	1	Code ng processor	SR00W
Kapasidad ng HDD	500 GB	Configuration ng CPU (max)	1
Interface ng HDD	SATA	Available ang mga naka-embed na opsyon	✗
Bilis ng HDD	7200 RPM	Graphics at IMC lithography	32 nm
Uri ng optical drive *	DVD-RW	Intel Virtualization Technology para sa Nakadirektang I/O (VT-d)	✓
Isinama ang card reader	✓	Bersyon ng Intel Identity Protection Technology	1,00
Mga katugmang memory card	MMC	Intel Virtualization Technology (VT-x)	✓
Mga graphic		Intel Dual Display Capable Technology	✓
Discrete na modelo ng graphics card *	NVIDIA Quadro 1000M	Intel FDI Technology	✓
Discrete memory ng graphics card	2 GB	Intel Rapid Storage Technology	✗
Uri ng discrete graphics memory	GDDR3	Intel Fast Memory Access	✓
On-board na graphics card *	✓	Processor ARK ID	50067
Discrete na graphics card *	✓	Walang salungatan na processor	✗
Pamilya ng on-board ng graphics card	Intel HD Graphics	Pinagsamang 4G WiMAX	✓
On-board na modelo ng graphics card *	Intel HD Graphics 3000	Baterya	
On-board na prikwensiya ng graphics card base	650 MHz	Teknolohiya ng baterya	Lithium-Ion (Li-Ion)
On-board na prikwensiya ng graphics card dynamic (max)	1300 MHz	Bilang ng mga cell ng baterya	9
On-board na graphics card ID	0x116	Tagal ng baterya (max)	8,9 h
Bilang ng mga discrete graphics card	1	Kuryente	
Number of discrete graphics cards installed	1	Kuryente ng AC adapter	170 W
Maximum na resolusyon	1920 x 1080 (mga) pixel	DC-in jack	✓
Audio		Seguridad	
Bilang ng mga built-in na speaker	2	Puwang ng lock ng cable	✓
Lakas ng speaker	1 W	Reader ng fingerprint	✓
Built-in na mikropono	✓	Uri ng proteksyon ng password	HDD, Power on, Superbisor
Camera		Pagpapanatili	
Camera sa harap	✓	Mga sertipiko ng pagpapanatili	EPEAT Ginto, ENERGY STAR
Network		Timbang at sukat	
Wi-Fi	✓	Lapad	372,8 milimetro
Mga feature ng networking	Gigabit Ethernet	Lalim	245,1 milimetro
Mga pamantayan ng Wi-Fi	802.11a, 802.11g, Wi-Fi 4 (802.11n)	Taas (harap)	3,16 sentimetro
LAN ng ethernet	✓	Taas (likod)	3,58 sentimetro
Bluetooth	✗	Lapad (imperyal)	37,3 sentimetro (14.7")
Teknolohiya sa paglalagay ng cable	10/100/1000Base-T(X)	Lalim (imperyal)	24,5 sentimetro (9.65")
Mga port at interface		Height (front) (imperial)	3,2 sentimetro (1.26")
Dami ng USB 2.0 port *	1	Height (rear) (imperial)	3,58 sentimetro (1.41")
Dami ng Type-A port na USB 3.2 Gen 1 (3.1 Gen 1) *	2	Timbang *	3,11 kilo
Dami ng eSATA/USB 2.0 port	1	Nilalaman ng packaging	
Mga port ng Ethernet LAN (RJ-45).	1	May kasamang AC adapter *	✓
Dami ng DisplayPorts	1		

Mga port at interface		Nilalaman ng packaging	
DVI na port	✗	May kasamang mga cable	AC
Dami ng mga port ng VGA (D-Sub).	1	Iba pang mga feature	
Mga output ng headphone	1	Wireless na teknolohiya	Wi-Fi
S/PDIF out na port	✗	Infrared na data port	✗
Nakapasok ang mikropono	✓	Pamilya ng graphics card	Intel, NVIDIA
Combo headphone/mic port	✓	3D	✗
Connector ng pag-dock	✗	Uri	PC
Slot ng ExpressCard	✓	Display	TFT
		Mga pamantayan sa industriya ng pagsunod	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
		Intel segment tagging	Propesyonal

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.