



Lenovo ThinkPad T520 + Mini Dock Series 3 (EU) Intel® Core™ i5 i5-2410M 39.6 cm (15.6") 4 GB DDR3-SDRAM 320 GB HDD Wi-Fi 4 (802.11n) Windows 7 Professional

Brand : Lenovo

Product family: ThinkPad

Product code: NW64BMH-BUN2

Product name : T520 + ThinkPad Mini Dock Series 3 (EU)

Intel Core i5-2410M (2.30GHz), 4GB RAM, 320GB 7200rpm HD, 15.6in 1366x768 LCD, Intel HD Graphics, CDRW/DVDRW, Intel 802.11bgn, Bluetooth, Modem, 1Gb Ethernet, UltraNav, Secure Chip, FPR, Camera, 6c Li-Ion, Windows 7 Professional 64 + ThinkPad Mini Dock Series 3 (EU)

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Designed for portability and power.

ThinkPad® T Series notebooks are considered Lenovo's Enterprise Best Choice, offering a thin and light design with no-compromise performance at an exceptional price. Plus, with a potential for up to 24 hours of battery life, you can do business anywhere.



Display		Ports & interfaces	
Display diagonal *	39.6 cm (15.6")	ExpressCard slot	✓
Display resolution *	1366 x 768 pixels	CardBus PCMCIA slot type	✗
LED backlight	✓	SmartCard slot	✓
Native aspect ratio	16:9	TV-out	✗
Display brightness	220 cd/m²	Performance	
Contrast ratio (typical)	500:1	Chipset	Intel® QM67 Express
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	ThinkPad UltraNav
Processor family *	Intel® Core™ i5	Numeric keypad *	✗
Processor generation	2nd gen Intel® Core™ i5	Keyboard	QWERTY
Processor *	i5-2410M	Software	
Processor number of cores	2	Operating system architecture	64-bit
Processor threads	4	Operating system installed *	Windows 7 Professional
Processor boost frequency	2.9 GHz	Processor special features	
Processor frequency *	2.3 GHz	Intel Wireless Display (WiDi) Technology	✓
System bus data transfer rate	5 GT/s	Intel My WiFi Technology	✓
Processor cache	3 MB	Intel Anti-Theft Technology	✓
Processor cache type	Smart Cache	Intel Identity Protection Technology	✓
Processor socket	BGA 1023	Intel Hyper-Threading Technology	✓
Processor lithography	32 nm	Intel Turbo Boost Technology	2.0
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Core i5-2400 Mobile Series	Intel Clear Video HD Technology	✓
Processor codename	Sandy Bridge	Intel Clear Video Technology	✗
Bus type	DMI	Intel® InTru™ 3D Technology	✓
FSB Parity	✗	Intel® Insider™	✗
Stepping	J1	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	35 W	Intel Flex Memory Access	✓
Tjunction	100 °C	Intel® Smart Cache	✓
Maximum number of PCI Express lanes	16	Intel AES New Instructions	✗
PCI Express slots version	2.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x8, 1x16, 2x4, 2x8		
CPU multiplier (bus/core ratio)	23		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	1333 MHz	Intel Demand Based Switching	✗
Memory layout (slots x size)	2 x 2 GB	Intel Clear Video Technology for MID	✗
Memory slots	2x SO-DIMM	Intel 64	✓
Memory, maximum *	8 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	320 GB	Thermal Monitoring Technologies	✓
Storage media *	HDD	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Number of HDDs installed	1	Supported instruction sets	AVX
Hard drive interface	SATA	Embedded options available	✗
Hard drive rotational speed	7200 RPM	Graphics & IMC lithography	32 nm
Optical drive *	DVD±RW	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Dual Display Capable Technology	✓
Discrete graphics card model *	Not available	Intel FDI Technology	✓
On-board graphics card *	✓	Intel Rapid Storage Technology	✗
Discrete graphics card *	✗	Intel Fast Memory Access	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	52224
On-board graphics card model *	Intel® HD Graphics 3000	Conflict-Free processor	✗
On-board graphics card base frequency	650 MHz	Integrated 4G WiMAX	✓
On-board graphics card dynamic frequency (max)	1200 MHz	Battery	
On-board graphics card ID	0x116	Battery technology	Lithium-Ion (Li-Ion)
Audio		Number of battery cells	6
Audio system	High Definition Audio	Battery life (max)	7.7 h
Number of built-in speakers	2	Power	
Speaker power	1 W	DC-in jack	✓
Built-in microphone	✓	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	Cable lock slot type	IBM
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Fingerprint reader	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN connection	✓	Width	372.8 mm
Bluetooth	✓	Depth	245.1 mm
Bluetooth version	3.0+HS	Height (front)	3.18 cm
Cabling technology	10/100/1000Base-T(X)	Height (rear)	3.56 cm
Ports & interfaces		Weight *	2.51 kg
USB 2.0 ports quantity *	4	Other features	
Ethernet LAN (RJ-45) ports	1	Infrared data port	✗
DisplayPorts quantity	1	Graphics card family	Intel
DVI port	✗	Intel segment tagging	Home office, Small Business
VGA (D-Sub) ports quantity	1		
Firewire (IEEE 1394) ports	1		
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✓		

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