



## 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")	SmartCard slot	✓
Display resolution *	1366 x 768 pixels	TV-out	✗
LED backlight	✓	Performance	
Native aspect ratio	16:9	Motherboard chipset	Intel® QM67 Express
Display brightness	220 cd/m²	Keyboard	
Contrast ratio (typical)	500:1	Pointing device	ThinkPad UltraNav
Processor		Numeric keypad *	✗
Processor manufacturer *	Intel	Keyboard layout	QWERTY
Processor family *	Intel® Core™ i5	Software	
Processor generation	2nd gen Intel® Core™ i5	Operating system architecture	64-bit
Processor model *	i5-2410M	Operating system installed *	Windows 7 Professional
Processor cores	2	Processor special features	
Processor threads	4	Intel® Wireless Display (Intel® WiDi)	✓
Processor boost frequency	2,9 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	2,3 GHz	Intel® Anti-Theft Technology (Intel® AT)	✓
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	3 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1023	Enhanced Intel SpeedStep Technology	✓
Processor lithography	32 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✗
Processor series	Intel Core i5-2400 Mobile Series	Intel® InTru™ 3D Technology	✓
Processor codename	Sandy Bridge	Intel® Insider™	✗
Bus type	DMI	Intel® Quick Sync Video Technology	✓
FSB Parity	✗	Intel Flex Memory Access	✓
Stepping	J1	Intel® Smart Cache	✓
Thermal Design Power (TDP)	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
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® AES New Instructions (Intel® AES-NI)	✗
Internal memory type	DDR3-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	1333 MHz	Intel Enhanced Halt State	✓
Memory layout (slots x size)	2 x 2 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage		Intel 64	✓
Total storage capacity *	320 GB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of hard drives installed	1	Thermal Monitoring Technologies	✓
Hard drive interface	SATA	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Hard drive speed	7200 RPM	Supported instruction sets	AVX
Optical drive type *	DVD±RW	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	32 nm
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Identity Protection Technology version	1,00
Discrete graphics card model *	Not available	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✓
Discrete graphics card *	✗	Intel FDI Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics 3000	Intel Fast Memory Access	✓
On-board graphics card base frequency	650 MHz	Processor ARK ID	52224
On-board graphics card dynamic frequency (max)	1200 MHz	Conflict-Free processor	✗
On-board graphics card ID	0x116	Integrated 4G WiMAX	✓
Audio		Battery	
Audio system	High Definition Audio	Battery technology	Lithium-Ion (Li-Ion)
Number of built-in speakers	2	Number of battery cells	6
Speaker power	1 W	Battery life (max)	7,7 h
Built-in microphone	✓	Power	
Network		DC-in jack	✓
Wi-Fi	✓	Security	
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Cable lock slot	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot type	IBM
Ethernet LAN	✓	Fingerprint reader	✓
Bluetooth	✓	Weight & dimensions	
Bluetooth version	3.0+HS	Width	372,8 mm
Cabling technology	10/100/1000Base-T(X)	Depth	245,1 mm
Ports & interfaces		Height (front)	3,18 cm
USB 2.0 ports quantity *	4	Height (rear)	3,56 cm
Ethernet LAN (RJ-45) ports	1	Weight *	2,51 kg
DisplayPorts quantity	1	Other features	
DVI port	✗	Infrared data port	✗
VGA (D-Sub) ports quantity	1	Graphics card family	Intel
Firewire (IEEE 1394) ports	1	Intel segment tagging	Home office, Small Business
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✓		
ExpressCard slot	✓		
CardBus PCMCIA slot type	✗		

## Catalog Object Cloud



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