



## Lenovo ThinkPad B5400 Intel® Core™ i5 i5-4200M Laptop 39.6 cm (15.6") 4 GB DDR3L-SDRAM 500 GB Windows 8 Black

**Brand :** Lenovo

**Product family:** ThinkPad

**Product code:** MB823ML

**Product name :** B5400

Intel Core i5-4200M (2.5 GHz), 4GB DDR3L RAM, 500GB, 15.6" LED HD (1366x768), Intel HD Graphics 4600, WLAN 802.11 b/g/n, Gigabit Ethernet, DVD±RW, Bluetooth 4.0, Windows 8 64-bit  
Lenovo ThinkPad B5400. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-4200M, Processor frequency: 2.5 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Optical drive: DVD±RW. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Windows 8. Product colour: Black. Weight: 2.34 kg



Design		Software	
Product type *	Laptop	Operating system installed *	Windows 8
Product colour *	Black	<b>Processor special features</b>	
Form factor *	Clamshell	Intel® Wireless Display (Intel® WiDi)	✓
<b>Display</b>		Intel® My WiFi Technology (Intel® MWT)	✗
Display diagonal *	39.6 cm (15.6")	Intel Smart Connect Technology	✗
Display resolution *	1366 x 768 pixels	Intel® Anti-Theft Technology (Intel® AT)	✓
Touchscreen *	✗	Intel® Rapid Start Technology	✗
LED backlight	✓	Intel® Smart Response Technology	✗
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Display surface	Matt	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
<b>Processor</b>		Intel® Turbo Boost Technology	2.0
Processor manufacturer *	Intel	Intel® Small Business Advantage (Intel® SBA)	✗
Processor family *	Intel® Core™ i5	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor generation	4th gen Intel® Core™ i5	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor model *	i5-4200M	Intel® Active Management Technology (Intel® AMT)	✗
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3.1 GHz	Intel Clear Video Technology	✗
Processor frequency *	2.5 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✗
Processor socket	PGA946	Intel® Smart Cache	✓
Processor lithography	22 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		
Bus type	DMI		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	37 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel Demand Based Switching	✗
Memory		Intel® Secure Key	✓
Internal memory *	4 GB	Intel TSX-NI	✗
Internal memory type	DDR3L-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Intel 64	✓
Memory form factor	SO-DIMM	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	37.5 x 37.5 x 4.7 mm
Total storage capacity *	500 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	Processor code	SR1HA
HDD interface	SATA	CPU configuration (max)	1
HDD size	2.5"	Embedded options available	✗
Optical drive type *	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 Secure Key Technology version	1.00
Graphics		Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel FDI Technology	✗
On-board graphics card base frequency	400 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Fast Memory Access	✗
Maximum on-board graphics card memory	1.74 GB	Processor ARK ID	76348
On-board graphics card DirectX version	11.1	Conflict-Free processor	✓
On-board graphics card ID	0x416		
Audio		Battery	
Number of built-in speakers	2	Battery technology	Lithium-Ion (Li-Ion)
Built-in microphone	✓	Number of battery cells	6
Camera		Battery capacity	2200 mAh
Front camera	✓	Battery life (max)	8 h
Front camera resolution	1280 x 720 pixels		
Network		Power	
Wi-Fi	✓	DC-in jack	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓	Security	
Ethernet LAN data rates	10,100,1000 Mbit/s	Cable lock slot	✓
Bluetooth	✓	Password protection	✓
Bluetooth version	4.0		
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	1	Width	378 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Depth	259.5 mm
Ethernet LAN (RJ-45) ports	1	Height	28.5 mm
HDMI ports quantity *	1	Weight *	2.34 kg
DVI port	✗		
VGA (D-Sub) ports quantity	1	Packaging content	
S/PDIF out port	✗	AC adapter included *	✓
Microphone in	✗	Manual	✓
Combo headphone/mic port	✓	Power cord included	✓
		Other features	
		Maximum internal memory (64-bit)	16 GB
		Intel® Virtualization Technology (Intel® VT)	VT-x

Ports & interfaces	
Docking connector	✗
ExpressCard slot	✗
CardBus PCMCIA slot type	✗
SmartCard slot	✗
Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Full-size keyboard	✓
Windows keys	✓
Software	
Operating system architecture	64-bit

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