

Lenovo

Lenovo B51-80 Notebook 39,6 cm (15.6") HD Intel® Core™ i5 8 GB DDR3L-SDRAM 500 GB Hybrid-HDD Wi-Fi 4 (802.11n) Windows 10 Black

Brand : Lenovo

Product code: 80LM0018MB

Product name : B51-80



Intel Core i5-6200U (3M Cache, 2.3GHz), 8GB DDR3L, 500GB SHHD, 15.6" LED HD (1366x768), Intel HD Graphics 520, WLAN, Bluetooth 4.0, Windows 10 64-bit
 Lenovo B51-80. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-6200U, Processor frequency: 2,3 GHz. Display diagonal: 39,6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: Hybrid-HDD. On-board graphics card model: Intel® HD Graphics 520. Operating system installed: Windows 10. Product colour: Black



Design		Keyboard	
Product type *	Notebook	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	39,6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Trial software	McAfee LiveSafe
Touchscreen *	✗	Operating system installed *	Windows 10
HD type	HD	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Processor		Intel® Smart Response Technology	✓
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	6th gen Intel® Core™ i5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i5-6200U	Intel® Turbo Boost Technology	2.0
Processor frequency *	2,3 GHz	Intel® Small Business Advantage (Intel® SBA)	✓
Processor boost frequency	2,8 GHz	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Core™ i5	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	2	Intel Clear Video Technology	✓
Processor threads	4	Intel® InTru™ 3D Technology	✓
System bus rate	4 GT/s	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	LGA 1356 (Socket B2)	Intel® Smart Cache	✓
Processor lithography	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes	64-bit	Intel Trusted Execution Technology	✗
Processor series	Intel Core i5-6200 series	Intel Enhanced Halt State	✓
Processor codename	Skylake	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2,4 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7,5 W		
Configurable TDP-down frequency	0,8 GHz		

Processor		Processor special features	
Tjunction	100 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	12	Intel TSX-NI	✗
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x4,4x1	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory *	8 GB	Intel 64	✓
Internal memory type	DDR3L-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots	2x SO-DIMM	Processor package size	42 X 24 mm
Maximum internal memory *	16 GB	Supported instruction sets	SSE4.1,SSE4.2,AVX 2.0
Storage		Processor code	SR2EY
Total storage capacity *	500 GB	CPU configuration (max)	1
Storage media *	Hybrid-HDD	Embedded options available	✗
Hybrid hard drive (H-HDD) capacity	500 GB	Graphics & IMC lithography	14 nm
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	MMC,SD,SDHC,SDXC	Intel Identity Protection Technology version	1,00
Graphics		Intel Smart Response Technology version	1,00
On-board graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	0,00
On-board graphics card family	Intel® HD Graphics	Intel Secure Key Technology version	1,00
On-board graphics card model *	Intel® HD Graphics 520	Intel Small Business Advantage (SBA) version	1,00
On-board graphics card base frequency	300 MHz	Intel TSX-NI version	1,00
On-board graphics card dynamic frequency (max)	1000 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	1,74 GB	Processor ARK ID	88193
On-board graphics card DirectX version	12.0	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.4	Power	
On-board graphics card ID	1916	AC adapter frequency	50 - 60 Hz
Audio		AC adapter input voltage	100 - 240 V
Number of built-in speakers	2	Security	
Built-in microphone	✓	Cable lock slot	✓
Camera		Weight & dimensions	
Front camera	✓	Width	380 mm
Network		Depth	262 mm
Bluetooth	✓	Height	24,7 mm
Wi-Fi	✓	Weight *	2,3 kg
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Packaging content	
Wi-Fi standards	802.11b,802.11g,Wi-Fi 4 (802.11n)	Manual	✓
Ethernet LAN	✓	Power cord included	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Other features	
Bluetooth version	4.0	AC adapter included	✓
Ports & interfaces		Maximum internal memory (64-bit)	16 GB
USB 2.0 ports quantity *	1		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		
VGA (D-Sub) ports quantity	1		
Combo headphone/mic port	✓		
Jenis lubang pengisian	DC-in jack		



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