ideapad 520 (15") 81BF00FRGE

Region
WE

Country
Germany

Machine Type
81BF

Processor
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

Graphics
NVIDIA GeForce MX150 2GB GDDR5

Memory
4GB Soldered + 4GB DIMM DDR4-2133

Display
15.6" FHD (1920x1080) IPS

Multi-touch
None

Storage
256GB SSD 2.5"

Optical
9.0mm DVD±RW

Ethernet
100/1000M

WLAN + Bluetooth
11ac, 1x1 + BT4.1

Color
Iron Grey

Camera
720p

Microphone
Dual Array

Keyboard
Non-backlit

Fingerprint Reader
None

Battery
2-cell (30Wh)

Power Adapter
65W

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
11/17

Note:
Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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ideapad 520 (15'') Platform Specifications

Product Specifications Reference (PSREF)

Processor

7th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		

Or 8th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB		
i7-8550U			1.8 GHz	4.0 GHz	8MB		

Graphics
Intel HD Graphics 620 in processor only, or
Intel HD Graphics 620 in processor and
NVIDIA GeForce 940MX or MX150, 2GB or 4GB DDR3L or GDDR5 memory
Max resolution: 1920x1080@60Hz (HDMI);

Chipset
Intel Soc (System on Chip) platform

Memory
16GB max / 2400MHz* DDR4, dual-channel capable, optional
4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
** System clocks down for processors with lower memory controller*

Display
Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, IPS

Multi-touch
None

Storage
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
Some: M.2 SSD / PCIe 3.0 x 2, 16Gb/s

Optical *(opt)*
DVD burner, 9.0mm high, fixed, not removable, tray-in

Ethernet
Gigabit Ethernet connection

WLAN
Some: 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
Some: 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

Bluetooth™
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Dimensions
WxDxH: 14.88" x 10.23" x 0.87" (378mm x 260mm x 22mm)

Weight
2.2kg (4.85lb)

Case color
Iron Grey/Gold/ Bronze

Case material
Metal

Media reader
4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports
One USB 3.0 type c, two USB 3.0, HDMI, Ethernet (RJ-45), audio combo jack

Camera
HD720p (1.0MP), fixed focus, combo array microphone

Audio support
HD Audio, Harman® stereo speakers with Dolby® Audio, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard
6-row, multimedia Fn keys, optional backlight, numeric keypad

Touchpad
One-piece touchpad with buttons

Security
Power-on password, hard disk password, supervisor password, security keyhole

Security chip
None

Fingerprint reader
Optional: touch style fingerprint reader on the palm rest

Battery type
Integrated Li-Polymer 2-cell *(30Wh or 35Wh)* battery

Max battery life
MobileMark® 2014: 6 hr

AC adapter
45W or 65W AC adapter

Preload
Windows® 10 Home 64
Windows 10 Pro 64

Limited warranty
One of the following, configurable by model:
- 1-year mail-in repair service
- 1-year depot repair service
- 2-year/1-yr battery depot repair service

Environment
ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

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