ideapad 320S (14") 81BN004RGE

Product
ideapad 320S-14IKB

Region
WE

Country
Germany

Machine Type
81BN

Processor
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

Graphics
Integrated Intel UHD Graphics 620

Memory
8GB DDR4-2400 DIMM

Display
14" FHD (1920x1080) IPS

Multi-touch
None

Storage
256GB SSD

Optical
None

Ethernet
None

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

Color
Mineral Grey

Camera
720p

Microphone
Dual Array

Keyboard
Non-backlit

Fingerprint Reader
None

Battery
52.5Wh

Power Adapter
65W

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
10/17

Notes:
Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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ideapad 320S (14'') Platform Specifications - 14IKB

Product Specifications Reference (PSREF)

Processor

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

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Pen 4415U	2	4	2.3 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610
i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620
i3-7130U			2.7 GHz	-	3MB		
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		

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

Integrated Graphics in Processor	Discrete Graphics (Memory)
Intel HD Graphics 610 / 620	-
Intel UHD Graphics 620	-
Intel HD Graphics 610 / 620	NVIDIA® GeForce® 920MX (2GB GDDR5)
Intel UHD Graphics 620	NVIDIA GeForce 920MX (2GB GDDR5)
Intel UHD Graphics 620	NVIDIA GeForce MX110 (2GB GDDR5)

supports dual independent display;
Max resolution: 4096x2160@30Hz (HDMI)

Chipset
Intel SoC (System on Chip) platform

Memory
8GB max / 2133MHz or 2400MHz DDR4, one DDR4 SO-DIMM socket

Display
Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 220 nits, 16:9 aspect ratio

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 4, 32Gb/s

Optical *(optional)*
DVD burner, 9.5mm high, fixed, not removable, tray-in

Ethernet
None

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

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

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

Ports
One USB 3.1 Gen 1 (USB 3.0), one USB 2.0 Always On, one USB 3.1 Type-C Gen 1, HDMI 1.4b

Dimensions
WxDxH: 12.89" x 9.31" x 0.76"; 327.4mm x 236.5mm x 19.3mm

Weight
1.69 kg (3.73 lb)

Case color
Display cover: mineral grey, snow white, or coral red
Bottom: platinum silver, snow white, or coral red

Case material
Display cover: aluminum stamping
Bottom: PC/ABS plastic

Camera
0.3MP with integrated monaural microphone or HD720p (1.0MP) with array microphone, fixed focus

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

Keyboard
6-row, multimedia Fn keys

Touchpad
One-piece multi-touch touchpad

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

Security chip
None

Fingerprint reader
None

Battery
Integrated Li-Polymer 2-cell *(30Wh)* or 3-cell *(52.5Wh)* battery

Max battery life
MobileMark® 2014: 7 hr (*30Wh*) / 12 hr (*52.5Wh*)

AC adapter
45W or 65W AC adapter

Preload
Windows® 10 Home 64

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

Environment
EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant

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

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