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

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.