ideapad 330S-15IKB Platform Specifications

Processor	Intel® Pentium® Processor, 7th Generation Intel Core™ i3 / i5 Processor, 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
Pen 4415U			2.3 GHz	-	2MB		Intel HD Graphics 610
i3-7020U			2.3 GHz	-		DDR4-2133	
i3-7100U	2	4	2.4 GHz	-	3MB		Intel HD Graphics 620
i3-7130U			2.7 GHz	-			
i5-7200U			2.5 GHz	3.1 GHz			
i3-8130U			2.2 GHz	3.4 GHz	4MB		Intel UHD Graphics 620
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	
i7-8550U			1.8 GHz	4.0 GHz	8MB		

Graphics	Intel HD Graphics 610 / 620 or Intel UHD Graphics 620 in processor only, or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon™ 535 (2GB GDDR5 memory), or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon 540 (2GB or 4GB GDDR5 memory), or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and NVIDIA GeForce® GTX 1050 (2GB or 4GB GDDR5 memory); supports dual independent display; Max resolution: 4096x2160@30Hz (HDMI)
Chipset	Intel SoC (System on Chip) platform
Memory	12GB max / 2133MHz or 2400MHz DDR4, dual-channel capable, 4GB soldered to systemboard, one DDR4 SO-DIMM socket
Display	*Some:* 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio *Some:* 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio
Multi-touch	None
Storage	*Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) *Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe) *Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe) *Some:* M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)
Optane Memory	Optional 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 4, 32Gb/s, M.2
Optical *(optional)*	External DVD burner, 9.5mm high
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	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, HDMI 1.4b, headphone / microphone combo jack, security keyhole, AC power adapter jack ** Depending on many factors, actual data transfer speed may be lower than theoretical speed*
Dimensions	*WxDxH:* 14.11" x 9.61" x 0.76"; 358.4mm x 244.1mm x 19.4mm
Weight	1.87 kg (4.12 lb)
Case color	Blizzard white, platinum grey, mid night blue, iron grey or rose pink
Case material	*Display cover:* Aluminum *Bottom:* PC/ABS plastic
Camera	HD720p (1.0MP), fixed focus, with dual array microphone
Audio support	HD Audio, stereo speakers with Dolby® Audio Premium, 2W x 2 / dual array microphone, headphone / microphone combo jack
Keyboard	6-row, multimedia Fn keys, numeric keypad, optional backlight
Touchpad	Mylar surface multi-touch touchpad
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Firmware TPM 2.0
Fingerprint reader	None
Battery	Integrated Li-Polymer 30Wh or 52.5Wh battery
Max battery life	*MobileMark® 2014:* 6 hrs (*30Wh*) / 9 hr (*52.5Wh*) ** Battery life varies significantly with hardware configurations, usage, & other factors*
AC adapter	45W, 65W or 90W round tip AC adapter, support rapid charge
Preload *(opt)*	*Preloaded operating system* ● Windows® 10 Home 64 ● Windows 10 Pro 64 ● Windows 10 Home in S mode *Preloaded applications (only some listed)* ● Microsoft Office Trial (with 30-day license) ● Microsoft Office 365 Personal ● Microsoft Office Personal 2016 ● Microsoft Office Personal 2019 ● Microsoft Office Personal Premium 2016 ● Microsoft Office Home and Business 2016 ● Microsoft Office Home and Student 2016 ● Microsoft Office Home and Student 2019 ● Microsoft Office Home and Business 2019 ● Microsoft Office Home and Business Premium 2016
Limited warranty	*One of the following, configurable by model:* • 1-year depot repair service • 2-year/1-yr battery depot repair service
Environment	ENERGY STAR® 6.1; EPEAT™ Silver; RoHS-compliant