# ideapad 520S (14'') Platform Specifications

| 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 |
| i3-7130U | | | 2.7 GHz | | | | |
| i5-7200U | | | 2.5 GHz | 3.1 GHz | 3MB | | |
| i7-7500U | | | 2.7 GHz | 3.5 GHz | 4MB | | |

8th Generation Intel® Core™ i5 / i7 Processor

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

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|---|---|
| Graphics | Intel UHD Graphics 620 in processor or Intel UHD Graphics 620 in processor and NVIDIA GeForce 940MX / MX130 2GB GDDR5 memory; Max resolution: 1920x1080 @ 60Hz (HDMI); |
| Chipset | Intel Soc (System on Chip) platform |
| Memory | 8GB max / 2400MHz DDR4, one SO-DIMM socket  *\* System clocks down for processors with lower memory controller* |
| Display | *Some:* 14.0" (356mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio  *Some:* 14.0" (356mm) 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  *Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high  *Some:* M.2 SSD / PCIe 3.0 x 4 |
| Optical *(opt)* | External DVD±RW, 9.5mm high, tray-in |
| Ethernet | None |
| 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 |

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|---|---|
| Dimensions Weight Case color Case material | *WxDxH:* 12.9" x 9.3" x 0.76" (327.4mm x 236.5mm x 19.3mm)  1.7kg (3.7lb)  Bronze / ballerina pink / gold / mineral grey / plum purple  *Display cover:* aluminum  *Bottom:* PC/ABS plastic |
| Media reader Ports | 4-in-1 reader (MMC, SD, SDHC, SDXC)  One USB 2.0 (Always On), one USB 3.1 Gen 1 (USB 3.0), HDMI (1.4), one USB 3.1 Type-C Gen 1, audio combo jack, AC power adapter jack |
| Camera  Audio support | *Some:* 0.3MP, fixed focus, combo single microphone  *Some:* HD720p, fixed focus, combo array microphone  HD Audio, Harman® stereo speakers with Dolby® Audio, 2W x 2 / dual single / array microphone, combo audio jack |
| Keyboard Touchpad | 6-row, multimedia Fn keys, optional backlight  One-piece multi-touch touchpad |
| Security  Security chip Fingerprint reader | Power-on password, hard-disk password, administrator password, security keyhole  None  *Optional:* touch style fingerprint reader on the palm rest |
| Battery type  Max battery life AC adapter | *Some:* integrated Li-Polymer 2-cell *(30Wh)* battery  *Some:* integrated Li-Polymer 3-cell *(52.5Wh)* battery  *MobileMark® 2014:* 7 hrs (2-cell battery) or 12 hrs (3-cell battery)  *Some:* 45W 2-pin AC adapter  *Some:* 65W 2-pin AC adapter  *Some:* 65W 3-pin AC adapter |
| Preload | *Some:* 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 |