



# ideapad 520S (14") Platform Specifications

Product Specifications Reference (PSREF)

|               |   |            |              |                |                     |       |              |                        |   |   |
|---------------|---|------------|--------------|----------------|---------------------|-------|--------------|------------------------|---|---|
| Processor     | 7th Generation Intel® Core™ i3 / i5 / i7 Processor  |            |              |                |                     |       |              | Dimensions             | WxDxH: 12.9" x 9.3" x 0.76" (327.4mm x 236.5mm x 19.3mm)  |   |
|               | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics     | Weight  | 1.7kg (3.7lb)   |
|               | i3-7100U  | 2          | 4            | 2.4 GHz        | -                   | 3MB   | DDR4-2133    | Intel HD Graphics 620  | Case color  | Bronze / ballerina pink / gold / mineral grey / plum purple   |
|               | 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   |            |              |                |                     |       |              | Media reader           | 4-in-1 reader (MMC, SD, SDHC, SDXC)   |   |
|               | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Type  | Processor Graphics     | Ports   | 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 |
|               | i5-8250U  | 4          | 8            | 1.6 GHz        | 3.4 GHz             | 6MB   | DDR4-2400    | Intel UHD Graphics 620 | Camera  | Some: 0.3MP, fixed focus, combo single microphone<br>Some: HD720p, fixed focus, combo array microphone                              |
|               | i7-8550U  |            |              | 1.8 GHz        | 4.0 GHz             | 8MB   |              |                        | Audio support   | HD Audio, Harman® stereo speakers with Dolby® Audio, 2W x 2 / dual single / array microphone, combo audio jack                      |
| 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);                          |            |              |                |                     |       |              | Keyboard               | 6-row, multimedia Fn keys, optional backlight   |   |
| Chipset       | Intel Soc (System on Chip) platform   |            |              |                |                     |       |              | Touchpad               | One-piece multi-touch touchpad  |   |
| Memory        | 8GB max / 2400MHz DDR4, one SO-DIMM socket<br>* System clocks down for processors with lower memory controller  |            |              |                |                     |       |              | Security               | Power-on password, hard-disk password, administrator password, security keyhole   |   |
| Display       | Some: 14.0" (356mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio<br>Some: 14.0" (356mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 220 nits, 16:9 aspect ratio |            |              |                |                     |       |              | Security chip          | None  |   |
| Multi-touch   | None  |            |              |                |                     |       |              | Fingerprint reader     | Optional: touch style fingerprint reader on the palm rest   |   |
| Storage       | Some: SSD / SATA 6.0Gb/s, 2.5" wide<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br>Some: M.2 SSD / PCIe 3.0 x 4  |            |              |                |                     |       |              | Battery type           | Some: integrated Li-Polymer 2-cell (30Wh) battery<br>Some: integrated Li-Polymer 3-cell (52.5Wh) battery                    |   |
| Optical (opt) | External DVD±RW, 9.5mm high, tray-in  |            |              |                |                     |       |              | Max battery life       | MobileMark® 2014: 7 hrs (2-cell battery) or 12 hrs (3-cell battery)   |   |
| Ethernet WLAN | None<br>Some: 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>Some: 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card  |            |              |                |                     |       |              | AC adapter             | Some: 45W 2-pin AC adapter<br>Some: 65W 2-pin AC adapter<br>Some: 65W 3-pin AC adapter                                      |   |
| Bluetooth™    | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |            |              |                |                     |       |              | Preload                | Some: Windows® 10 Home 64   |   |
|               |   |            |              |                |                     |       |              | Limited warranty       | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 2-year/1-yr battery depot repair service |   |
|               |   |            |              |                |                     |       |              | Environment            | EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant   |   |

ideapad 520S (14") - 81BL

Product Specifications Reference (PSREF)

| Model      | Product             | Region | Country    | Processor | Graphics      | Memory | Display                 | Multi-touch | Storage(HDD/SSD)                 | Optical | WLAN + Bluetooth  | Color        | Camera | Microphone | Keyboard    | Fingerprint Reader | Battery         | Power Adapter | Operating System   | Warranty      | Ann Date (mm/yy) |
|------------|---------------------|--------|------------|-----------|---------------|--------|-------------------------|-------------|----------------------------------|---------|-------------------|--------------|--------|------------|-------------|--------------------|-----------------|---------------|--------------------|---------------|------------------|
| 81BL009EUS | ideapad 520S-14IKBR | NA     | US, Canada | i7-8550U  | Intel UHD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 1TB 5400rpm                      | None    | 11ac, 1x1 + BT4.1 | Mineral Grey | 720p   | Dual Array | Backlit     | Fingerprint Reader | 2-cell (30Wh)   | 65W           | Windows 10 Home 64 | 1-year, Depot | 01/18            |
| 81BL009FUS | ideapad 520S-14IKBR | NA     | US, Canada | i7-8550U  | MX130 2GB     | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 1TB 5400rpm + 128GB SSD M.2 PCIe | None    | 11ac, 1x1 + BT4.1 | Mineral Grey | 720p   | Dual Array | Backlit     | Fingerprint Reader | 3-cell (52.5Wh) | 65W           | Windows 10 Home 64 | 1-year, Depot | 02/18            |
| 81BL009GUS | ideapad 520S-14IKBR | NA     | US, Canada | i5-8250U  | Intel UHD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 1TB 5400rpm                      | None    | 11ac, 1x1 + BT4.1 | Mineral Grey | 720p   | Dual Array | Backlit     | Fingerprint Reader | 2-cell (30Wh)   | 65W           | Windows 10 Home 64 | 1-year, Depot | 01/18            |
| 81BL009HCF | ideapad 520S-14IKBR | NA     | Canada     | i7-8550U  | Intel UHD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 1TB 5400rpm                      | None    | 11ac, 1x1 + BT4.1 | Mineral Grey | 720p   | Dual Array | Backlit     | Fingerprint Reader | 2-cell (30Wh)   | 65W           | Windows 10 Home 64 | 1-year, Depot | 01/18            |
| 81BL00CUUS | ideapad 520S-14IKBR | NA     | US, Canada | i5-8250U  | Intel UHD 620 | 8GBx1  | 14" HD (1366x768)       | None        | 1TB 5400rpm                      | None    | 11ac, 1x1 + BT4.1 | Bronze       | 720p   | Dual Array | Non-backlit | None               | 2-cell (30Wh)   | 45W           | Windows 10 Home 64 | 1-year, Depot | 06/18            |