

# ideapad 330 (15") Intel 81DE00W7GE

**Product**  
ideapad 330-15IKBR

**Region**  
WE

**Country**  
Germany

**Machine Type**  
81DE

**Processor**  
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

**Graphics**  
AMD Radeon 530 2GB GDDR5

**Memory**  
4GB Soldered + 4GB DIMM DDR4-2133

**Display**  
15.6" FHD (1920x1080) Anti-glare

**Multi-touch**  
None

**Storage**  
1TB 5400rpm + 16GB Optane Memory

**Optical**  
None

**Ethernet**  
100/1000M

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

**Color**  
Platinum Grey

**Camera**  
720p

**Microphone**  
Monaural

**Keyboard**  
Non-backlit

**Fingerprint Reader**  
None

**Battery**  
30Wh

**Power Adapter**  
65W

**Operating System**  
Windows 10 Home 64

**Warranty**  
2-year, Depot

**EAN / UPC**  
192651296267

**Ann Date (mm/yy)**  
06/18

## 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.  
<https://www.lenovo.com/hk/en/battery-info>



[WWW.LENOVO.COM](http://WWW.LENOVO.COM)

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## Product Specifications Reference (PSREF)

|           |                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|---------------------|-------|--------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor | 151KB: Intel® Celeron® Processor, Intel Pentium® Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor                                                                                                                                                                      |            |              |                |                     |       |              | Chipset<br>Memory                      | 151CH: Intel HM370 chipset; <i>others</i> : Intel SoC (System on Chip) platform<br>151KB&IKBR: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br>151CH: 16GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br>151CN: 12GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br>151GM: 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket |
|           | Processor Number                                                                                                                                                                                                                                                                     | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics                     | Display                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|           | Cel 3867U                                                                                                                                                                                                                                                                            | 2          | 2            | 1.8 GHz        | -                   | 2MB   | DDR4-2133    | Intel HD Graphics 610                  | <i>Some</i> : 15.6" (396mm) HD (1366x768), anti-glare or glossy, LED backlight, 200 nits, 16:9 aspect ratio<br><i>Some</i> : 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio                                                                                                                                                                                                                                                                                                                       |
|           | Pen 4415U                                                                                                                                                                                                                                                                            |            | 4            | 2.3 GHz        | -                   |       |              | 3MB                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | i3-7100U                                                                                                                                                                                                                                                                             |            |              | 2.4 GHz        | -                   |       |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | i3-7130U                                                                                                                                                                                                                                                                             |            |              | 2.7 GHz        | -                   |       |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | i5-7200U                                                                                                                                                                                                                                                                             |            |              | 2.5 GHz        | 3.1 GHz             |       |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | i7-7500U                                                                                                                                                                                                                                                                             |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | 151KBR: 7th or 8th Generation Intel Core i3 / i5 / i7 Processor                                                                                                                                                                                                                      |            |              |                |                     |       |              |                                        | Multi-touch (opt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|           | Processor Number                                                                                                                                                                                                                                                                     | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics                     | Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|           | i3-7020U                                                                                                                                                                                                                                                                             | 2          | 4            | 2.3 GHz        | -                   | 3MB   | DDR4-2133    | Intel HD Graphics 620                  | <i>Some</i> : HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some</i> : SSD / SATA 6.0Gb/s, 2.5" wide<br><i>Some</i> : M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some</i> : Intel Optane™ Memory, 16GB, M.2                                                                                                                                                                                                                                                                                                                         |
|           | i3-8130U                                                                                                                                                                                                                                                                             |            |              | 2.2 GHz        | 3.4 GHz             | 4MB   |              | Intel UHD Graphics 620                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | i5-8250U                                                                                                                                                                                                                                                                             | 4          | 8            | 1.6 GHz        | 3.4 GHz             | 6MB   |              |                                        | Optical (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|           | i7-8550U                                                                                                                                                                                                                                                                             |            |              | 1.8 GHz        | 4.0 GHz             | 8MB   |              | DVD burner, 9.0mm high, fixed, tray-in |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | 151CH: 8th Generation Intel Core i5 / i7 Processor                                                                                                                                                                                                                                   |            |              |                |                     |       |              |                                        | Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|           | Processor Number                                                                                                                                                                                                                                                                     | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics                     | WLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|           | i5-8300H                                                                                                                                                                                                                                                                             | 4          | 8            | 2.3 GHz        | 4.0 GHz             | 8MB   | DDR4-2400    | Intel UHD Graphics 630                 | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card</li><li>• 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card</li></ul> Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                               |
|           | i7-8750H                                                                                                                                                                                                                                                                             | 6          | 12           | 2.2 GHz        | 4.1 GHz             | 9MB   |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | 151CN: 8th Generation Intel Core i3 Processor                                                                                                                                                                                                                                        |            |              |                |                     |       |              |                                        | Media reader Ports                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|           | Processor Number                                                                                                                                                                                                                                                                     | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics                     | 4-in-1 reader (MMC, SD, SDHC, SDXC)<br>151GM: one USB 2.0, one USB 3.1 Gen 1 (USB 3.0), audio combo jack, security keyhole, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack<br><i>Others</i> : two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1, audio combo jack, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack, security keyhole<br><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>                                                                                    |
|           | i3-8121U                                                                                                                                                                                                                                                                             | 2          | 4            | 2.2 GHz        | 3.2 GHz             | 4MB   | DDR4-2400    | -                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | 151GM: Intel Celeron® Processor, Intel Pentium Processor or 6th Generation Intel Core i3 Processor                                                                                                                                                                                   |            |              |                |                     |       |              |                                        | Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|           | Processor Number                                                                                                                                                                                                                                                                     | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics                     | Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|           | Cel N4000                                                                                                                                                                                                                                                                            | 2          | 2            | 1.1 GHz        | 2.6 GHz             | 4MB   | DDR4-2400    | Intel UHD Graphics 600                 | 2.2 kg (4.85 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|           | Cel N4100                                                                                                                                                                                                                                                                            |            |              | 1.1 GHz        | 2.4 GHz             |       |              | Intel UHD Graphics 605                 | Blizzard white, platinum grey, onyx black, mid night blue, coral red, plum purple, or chocolate brown                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           | Pen N5000                                                                                                                                                                                                                                                                            | 4          | 4            | 1.1 GHz        | 2.7 GHz             |       |              | Intel HD Graphics 520                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | i3-6006U                                                                                                                                                                                                                                                                             | 2          | 4            | 2.0 GHz        | -                   | 3MB   | DDR4-2133    | Camera                                 | <i>Some</i> : 0.3MP resolution, fixed focus, with single microphone<br><i>Some</i> : 720p HD, 1.0MP resolution, fixed focus, with dual array microphone<br><i>Some</i> : 720p HD, 1.0MP resolution, fixed focus, with single microphone<br>HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / single microphone, audio combo jack                                                                                                                                                                                     |
| Graphics  | 151KB: Intel HD Graphics 610 / 620 in processor only, Intel HD Graphics 610 / 620 in processor and AMD Radeon™ 530 (2GB or 4GB GDDR5 memory), or Intel HD Graphics 610 / 620 in processor and NVIDIA GeForce MX 110 / MX 130 (2GB GDDR5 memory)                                      |            |              |                |                     |       |              |                                        | Keyboard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|           | 151KBR: Intel HD Graphics 620 or UHD Graphics 620 in processor only, Intel HD Graphics 620 or UHD Graphics 620 in processor and AMD Radeon 530 (2GB or 4GB GDDR5 memory), Intel HD Graphics 620 or UHD Graphics 620 in processor and NVIDIA GeForce MX 150 (2GB or 4GB GDDR5 memory) |            |              |                |                     |       |              |                                        | Touchpad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|           | 151CH: Intel UHD Graphics 630 and NVIDIA® GeForce® GTX 1050 (2GB or 4GB GDDR5 memory)                                                                                                                                                                                                |            |              |                |                     |       |              |                                        | Security                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|           | 151CN: AMD Radeon 540 (2GB GDDR5 memory)                                                                                                                                                                                                                                             |            |              |                |                     |       |              |                                        | Security chip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | 151GM: Intel HD Graphics 520, Intel UHD Graphics 600 or UHD Graphics 605 in processor only, Intel UHD Graphics 600 or UHD Graphics 605 in processor and AMD Radeon 530 (2GB GDDR5 memory)                                                                                            |            |              |                |                     |       |              |                                        | Fingerprint reader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|           | supports external digital monitor via HDMI;                                                                                                                                                                                                                                          |            |              |                |                     |       |              |                                        | Battery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|           | supports two independent displays;                                                                                                                                                                                                                                                   |            |              |                |                     |       |              |                                        | Max battery life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|           | Max resolution: 1920x1080@60Hz (HDMI)                                                                                                                                                                                                                                                |            |              |                |                     |       |              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           |                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |              |                                        | AC adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|           |                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |              |                                        | Preload (opt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|           |                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |              | Limited warranty                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           |                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |              | Environment                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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