

# ideapad 330 (15") Intel 81DE024EGE

**Region**  
WE

**Country**  
Germany

**Machine Type**  
81DE

**Processor**  
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

**Graphics**  
Integrated Intel UHD Graphics 620

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

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

**Multi-touch**  
None

**Storage**  
512GB SSD M.2 PCIe NVMe

**Optical**  
None

**Ethernet**  
100/1000M

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

**Color**  
Onyx Black

**Camera**  
720p

**Microphone**  
Monaural

**Keyboard**  
Non-backlit

**Fingerprint Reader**  
None

**Battery**  
30Wh

**Power Adapter**  
45W

**Operating System**  
Windows 10 Home 64

**Warranty**  
2-year, Depot

**EAN / UPC**  
193268469525

**Ann Date (mm/yy)**  
10/18

## Note:

\* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ideapad 330 (15") Intel Platform Specifications

Product Specifications Reference (PSREF)

|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|---------------------|--------------|------------------------|------------------------|--|
| Processor                                                                                                                       | 15IKB: Intel® Pentium® Processor or 7th Generation Intel Core™ i5 / i7 Processor                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | 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             | -                   |              |                        |                        |  |
|                                                                                                                                 | i5-7200U                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                       |                | 2.5 GHz             | 3.1 GHz             |              |                        |                        |  |
|                                                                                                                                 | i7-7500U                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                       |                | 2.7 GHz             | 3.5 GHz             | 4MB          |                        |                        |  |
|                                                                                                                                 | 15IKBR: 7th 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     |  |
|                                                                                                                                 | i3-7020U                                                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                                     | 4              | 2.3 GHz             | -                   | 3MB          | DDR4-2133              | Intel HD Graphics 620  |  |
|                                                                                                                                 | i3-8130U                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                       |                | 2.2 GHz             | 3.4 GHz             | 4MB          |                        | Intel UHD Graphics 620 |  |
|                                                                                                                                 | i5-8250U                                                                                                                                                                                                                                                                             | 4                                                                                                                                                                                                                                                                                                                                                     | 8              | 1.6 GHz             | 3.4 GHz             | 6MB          |                        |                        |  |
|                                                                                                                                 | i7-8550U                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                       |                | 1.8 GHz             | 4.0 GHz             | 8MB          |                        |                        |  |
| 15ICH: 8th Generation Intel Core i5 / i7 Processor                                                                              |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| Processor Number                                                                                                                | # of Cores                                                                                                                                                                                                                                                                           | # of Threads                                                                                                                                                                                                                                                                                                                                          | Base Frequency | Max Turbo Frequency | Cache               | Memory Types | Processor Graphics     |                        |  |
| i5-8300H                                                                                                                        | 4                                                                                                                                                                                                                                                                                    | 8                                                                                                                                                                                                                                                                                                                                                     | 2.3 GHz        | 4.0 GHz             | 8MB                 | DDR4-2400    | Intel UHD Graphics 630 |                        |  |
| i7-8750H                                                                                                                        | 6                                                                                                                                                                                                                                                                                    | 12                                                                                                                                                                                                                                                                                                                                                    | 2.2 GHz        | 4.1 GHz             | 9MB                 |              |                        |                        |  |
| 15ICN: 8th Generation Intel Core i3 Processor                                                                                   |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| Processor Number                                                                                                                | # of Cores                                                                                                                                                                                                                                                                           | # of Threads                                                                                                                                                                                                                                                                                                                                          | Base Frequency | Max Turbo Frequency | Cache               | Memory Types | Processor Graphics     |                        |  |
| i3-8121U                                                                                                                        | 2                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                                                                     | 2.2 GHz        | 3.2 GHz             | 4MB                 | DDR4-2400    | -                      |                        |  |
| 15IGM: Intel Celeron® Processor, Intel Pentium Processor or 6th Generation Intel Core i3 Processor                              |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| Processor Number                                                                                                                | # of Cores                                                                                                                                                                                                                                                                           | # of Threads                                                                                                                                                                                                                                                                                                                                          | Base Frequency | Max Turbo Frequency | Cache               | Memory Types | Processor Graphics     |                        |  |
| Cel N4000                                                                                                                       | 2                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                                                                                                                                                                                                                     | 1.1 GHz        | 2.6 GHz             | 4MB                 | DDR4-2400    | Intel UHD Graphics 600 |                        |  |
| Cel N4100                                                                                                                       | 4                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                                                                     | 1.1 GHz        | 2.4 GHz             |                     |              | Intel UHD Graphics 605 |                        |  |
| Pen N5000                                                                                                                       |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       | 1.1 GHz        | 2.7 GHz             | 3MB                 | DDR4-2133    | Intel HD Graphics 520  |                        |  |
| i3-6006U                                                                                                                        | 2                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                                                                     | 2.0 GHz        | -                   |                     |              |                        |                        |  |
| Graphics                                                                                                                        | 15IKB: 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)                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | 15IKBR: 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) |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | 15ICH: Intel UHD Graphics 630 and NVIDIA® GeForce® GTX 1050 (2GB or 4GB GDDR5 memory)                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | 15ICN: AMD Radeon 540 (2GB GDDR5 memory)                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | 15IGM: 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)                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | supports external digital monitor via HDMI;                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | supports two independent displays;                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | Max resolution: 1920x1080@60Hz (HDMI)                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
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|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 | Chipset Memory                                                                                                                                                                                                                                                                       | 15ICH: Intel HM370 chipset; <i>others:</i> Intel SoC (System on Chip) platform                                                                                                                                                                                                                                                                        |                |                     |                     |              |                        |                        |  |
| 15IKB&IKBR: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| 15ICH: 16GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket      |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| 15ICN: 12GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket      |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| 15IGM: 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket                                                                          |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
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|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| Display                                                                                                                         |                                                                                                                                                                                                                                                                                      | <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                                                                                                                                      |                |                     |                     |              |                        |                        |  |
| Multi-touch (opt)                                                                                                               |                                                                                                                                                                                                                                                                                      | On-cell touch, supports 10-finger multi-touch                                                                                                                                                                                                                                                                                                         |                |                     |                     |              |                        |                        |  |
| Storage                                                                                                                         |                                                                                                                                                                                                                                                                                      | <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                                                                                                                                          |                |                     |                     |              |                        |                        |  |
| Optical (optional)                                                                                                              |                                                                                                                                                                                                                                                                                      | DVD burner, 9.0mm high, fixed, tray-in                                                                                                                                                                                                                                                                                                                |                |                     |                     |              |                        |                        |  |
| Ethernet                                                                                                                        |                                                                                                                                                                                                                                                                                      | 10/100M or 100/1000M Ethernet connection                                                                                                                                                                                                                                                                                                              |                |                     |                     |              |                        |                        |  |
| WLAN                                                                                                                            |                                                                                                                                                                                                                                                                                      | <i>One of the following, configurable by model:</i><br>• 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card                                                                                                                                                                               |                |                     |                     |              |                        |                        |  |
| Bluetooth™                                                                                                                      |                                                                                                                                                                                                                                                                                      | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                                                                                 |                |                     |                     |              |                        |                        |  |
| Media reader Ports                                                                                                              |                                                                                                                                                                                                                                                                                      | 4-in-1 reader (MMC, SD, SDHC, SDXC)<br><b>15IGM:</b> 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 |                |                     |                     |              |                        |                        |  |
| Dimensions                                                                                                                      |                                                                                                                                                                                                                                                                                      | <b>WxDxH:</b> 14.89" x 10.24" x 0.9"; 378mm x 260mm x 22.9mm                                                                                                                                                                                                                                                                                          |                |                     |                     |              |                        |                        |  |
| Weight                                                                                                                          |                                                                                                                                                                                                                                                                                      | 2.2 kg (4.85 lb)                                                                                                                                                                                                                                                                                                                                      |                |                     |                     |              |                        |                        |  |
| Case color                                                                                                                      |                                                                                                                                                                                                                                                                                      | Blizzard white, platinum grey, onyx black, mid night blue, coral red, plum purple, or chocolate brown                                                                                                                                                                                                                                                 |                |                     |                     |              |                        |                        |  |
| Case material                                                                                                                   |                                                                                                                                                                                                                                                                                      | PC/ABS plastic                                                                                                                                                                                                                                                                                                                                        |                |                     |                     |              |                        |                        |  |
| 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                                                                                                                  |                |                     |                     |              |                        |                        |  |
| Audio support                                                                                                                   |                                                                                                                                                                                                                                                                                      | HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / single microphone, audio combo jack                                                                                                                                                                                                                                             |                |                     |                     |              |                        |                        |  |
| Keyboard Touchpad                                                                                                               |                                                                                                                                                                                                                                                                                      | 6-row, multimedia Fn keys, numeric keypad, optional backlight<br>One-piece multi-touch touchpad                                                                                                                                                                                                                                                       |                |                     |                     |              |                        |                        |  |
| Security                                                                                                                        |                                                                                                                                                                                                                                                                                      | Supervisor password, power-on password, hard-disk password (only Non- Intel Optane memory model), security keyhole                                                                                                                                                                                                                                    |                |                     |                     |              |                        |                        |  |
| Security chip                                                                                                                   |                                                                                                                                                                                                                                                                                      | Firmware TPM 2.0                                                                                                                                                                                                                                                                                                                                      |                |                     |                     |              |                        |                        |  |
| Fingerprint reader                                                                                                              |                                                                                                                                                                                                                                                                                      | None                                                                                                                                                                                                                                                                                                                                                  |                |                     |                     |              |                        |                        |  |
| Battery                                                                                                                         |                                                                                                                                                                                                                                                                                      | Integrated Li-ion 30Wh, 35Wh or 45Wh battery                                                                                                                                                                                                                                                                                                          |                |                     |                     |              |                        |                        |  |
| Max battery life                                                                                                                |                                                                                                                                                                                                                                                                                      | <i>MobileMark® 2014:</i><br><b>15IKB / IKBR / 15IGM:</b> 5.5 hrs (30Wh) / 6 hrs (35Wh)<br><b>15ICH:</b> 8 hrs (45Wh)<br><b>15ICN:</b> 4.5 hrs (35Wh)                                                                                                                                                                                                  |                |                     |                     |              |                        |                        |  |
| AC adapter                                                                                                                      |                                                                                                                                                                                                                                                                                      | <b>15ICH:</b> 90W slim tip AC adapter<br><i>Others:</i> 45W or 65W slim tip AC adapter                                                                                                                                                                                                                                                                |                |                     |                     |              |                        |                        |  |
| Preload (opt)                                                                                                                   |                                                                                                                                                                                                                                                                                      | Windows® 10 Home 64 or Windows 10 Pro 64                                                                                                                                                                                                                                                                                                              |                |                     |                     |              |                        |                        |  |
| Limited warranty                                                                                                                |                                                                                                                                                                                                                                                                                      | <i>One of the following, configurable by model:</i><br>• 1-year Mail-in repair service<br>• 1-year depot repair service<br>• 2-year/1-yr battery depot repair service                                                                                                                                                                                 |                |                     |                     |              |                        |                        |  |
| Environment                                                                                                                     |                                                                                                                                                                                                                                                                                      | ErP Lot 3; ENERGY STAR® 6.1; RoHS-compliant                                                                                                                                                                                                                                                                                                           |                |                     |                     |              |                        |                        |  |

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