

# ideapad 330 (15") AMD 81D2003CGE

**Region**  
WE

**Country**  
Germany

**Machine Type**  
81D2

**Processor**  
AMD Ryzen 3 2200U (2C, 2.5 / 3.4GHz, 1MB)

**Graphics**  
Integrated AMD Radeon Vega 3 Graphics

**Memory**  
4GB Soldered + 4GB DIMM DDR4-2400

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

**Multi-touch**  
None

**Storage**  
1TB 5400rpm + 128GB SSD

**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**  
35Wh

**Power Adapter**  
45W

**Operating System**  
Windows 10 Home 64

**Warranty**  
2-year, Depot

**Ann Date (mm/yy)**  
07/18

## 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") AMD Platform Specifications

Product Specifications Reference (PSREF)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|---------------------|--------------------------------|--------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor          | 15AST: AMD A-Series or E-Series APUs                                                                                                                                                                                                                                                                                                                                                                                                                             |            |              |                |                     |                                |              |                            | Media reader Ports                                                                                                                                                                                                                                                            | 4-in-1 reader (MMC, SD, SDHC, SDXC)<br>15AST: one USB 2.0, one USB 3.1 Gen 1<br>15ARR: two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1<br>All: HDMI 1.4a, Ethernet (RJ-45), headphone / microphone combo jack, security keyhole, AC power adapter jack |
|                    | Processor Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache                          | Memory Types | Processor Graphics         |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | E2-9000                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2          | 2            | 1.8 GHz        | 2.2 GHz             | 1MB                            | DDR4-1866    | AMD Radeon™ R2 Graphics    |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | A4-9125                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |              | 2.3 GHz        | 2.6 GHz             |                                | DDR4-2133    | AMD Radeon R3 Graphics     |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | A6-9225                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |              | 2.6 GHz        | 3.0 GHz             |                                |              | AMD Radeon R4 Graphics     |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | A9-9425                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |              | 3.1 GHz        | 3.7 GHz             |                                |              | AMD Radeon R5 Graphics     |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | 15ARR: AMD Ryzen™ Mobile Processors with Radeon Vega Graphics                                                                                                                                                                                                                                                                                                                                                                                                    |            |              |                |                     |                                |              |                            | Dimensions<br>Weight<br>Case color<br>Case material                                                                                                                                                                                                                           | WxDxH: 14.89" x 10.24" x 0.9"; 378mm x 260mm x 22.9mm<br>2.2 kg (4.85 lb)<br>Blizzard white, platinum grey, onyx black, mid night blue, or chocolate brown<br>PC/ABS plastic                                                                                 |
|                    | Processor Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache                          | Memory Type  | Processor Graphics         |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | Ryzen 3 2200U                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2          | 4            | 2.5 GHz        | 3.4 GHz             | 1MB                            | DDR4-2400    | AMD Radeon Vega 3 Graphics |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    | Ryzen 5 2500U                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4          | 8            | 2.0 GHz        | 3.6 GHz             | 2MB                            |              | AMD Radeon Vega 8 Graphics |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Ryzen 7 2700U      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8          | 2.2 GHz      | 3.8 GHz        | 2MB                 | AMD Radeon RX Vega 10 Graphics |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Camera                     | Some: 0.3MP resolution, fixed focus, integrated monaural microphone<br>Some: 720p HD, 1.0MP resolution, fixed focus, with monaural microphone<br>HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / monaural microphone, headphone / microphone combo jack |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Audio support              |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Keyboard                   | 6-row, multimedia Fn keys, numeric keypad                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Touchpad                   | One-piece multi-touch touchpad                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Security                   | Supervisor password, power-on password, hard-disk password, security keyhole                                                                                                                                                                                                  |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Security chip              | Firmware TPM 2.0                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Fingerprint reader         | None                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Battery                    | Integrated Li-ion 30Wh or 35Wh battery                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | Max battery life           | MobileMark® 2014: 4 hrs (30Wh) / 4.5 hrs (35Wh)                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              | AC adapter                 | 45W or 65W slim tip AC adapter                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |
| Graphics           | 15AST: AMD Radeon R2, R3, R4, or R5 Graphics in processor only, AMD Radeon R2, R3, R4, or R5 Graphics in processor and AMD Radeon 530 (2GB GDDR5 memory);<br>15ARR: AMD Radeon Vega 3, Vega 8, RX Vega 10 Graphics in processor only, AMD Radeon Vega 8 or RX Vega 10 Graphics in processor and AMD Radeon 540 (2GB GDDR5 memory);<br>supports external digital monitor via HDMI;<br>supports dual independent display;<br>Max resolution: 1920x1080@60Hz (HDMI) |            |              |                |                     |                                |              |                            | Preload                                                                                                                                                                                                                                                                       | Windows® 10 Home 64<br>Preloaded applications (only some listed)<br>• Lenovo® App Explorer<br>• Lenovo ID<br>• Lenovo Settings<br>• McAfee® LiveSafe™ (30-day trial)                                                                                         |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              |                            | Limited warranty                                                                                                                                                                                                                                                              | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 2-year/1-yr battery depot repair service                                                                                                                                  |
| Chipset            | AMD SoC (System on Chip) platform                                                                                                                                                                                                                                                                                                                                                                                                                                |            |              |                |                     |                                |              |                            | Environment                                                                                                                                                                                                                                                                   | EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant                                                                                                                                                                                                              |
| Memory             | 15AST: 8GB max / 1866MHz or 2133MHz DDR4, one DDR4 SO-DIMM socket<br>15ARR: 16GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Display            | Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio<br>Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio                                                                                                                                                                                                                                                                         |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Multi-touch        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Storage            | Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br>Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)                                                                                                                                                                                                                                                                                                                                                  |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Optical (optional) | DVD burner, 9.0mm high, fixed, tray-in                                                                                                                                                                                                                                                                                                                                                                                                                           |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Ethernet           | 10/100M or 100/1000M Ethernet connection                                                                                                                                                                                                                                                                                                                                                                                                                         |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| WLAN               | 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card                                                                                                                                                                                                                                                                                                                                                                                                             |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |
| Bluetooth™         | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                                                                                                                                                                                            |            |              |                |                     |                                |              |                            |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |

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