

# IdeaPad 3 17ARE05 81W50020GE

**Product**

IdeaPad 3 17ARE05

**Region**

WE

**Country/Region**

Germany

**Machine Type**

81W5

**Processor**

AMD Ryzen 7 4700U (8C / 8T, 2.0 / 4.1GHz, 4MB L2 / 8MB L3)

**Graphics**

Integrated AMD Radeon Graphics

**Chipset**

AMD SoC Platform

**Memory**

4GB Soldered DDR4-2666 + 4GB SO-DIMM DDR4-2666

**Storage**

512GB SSD M.2 2242 PCIe NVMe 3.0x2

**Display**

17.3" FHD (1920x1080) IPS 300nits Anti-glare

**Touchscreen**

None

**Optical**

None

**Media Reader**

4-in-1 Card Reader

**Ethernet**

None

**WLAN + Bluetooth**

11ac, 2x2 + BT5.0

**Case Material**

PC / ABS

**Camera**

0.3MP

**Microphone**

2x, Array

**Surface Treatment**

IMR

**Color**

Abyss Blue

**Keyboard**

Non-backlit, German

**Fingerprint Reader**

Touch Style

**TPM**

FW TPM 2.0

**Battery**

Integrated 56Wh

**Power Adapter**

65W Round Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Bundled Service**

None

**EAN / UPC / JAN**

195235004111

**End of Support**

2026-05-27

**Announce Date**

2020-07-22



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AMD

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# IdeaPad 3 17ARE05 Platform Specifications

Product Specifications Reference (PSREF)

|               |                                                                                                                                                                                                                                                                                             |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|---------------------|-----------------|-------------|---------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor     | AMD Ryzen™ Mobile Processors with Radeon™ Graphics                                                                                                                                                                                                                                          |            |              |                |                     |                 |             |                     | Camera                                        | 0.3MP or HD720p, with privacy shutter, fixed focus, integrated dual array microphone<br><i>* HD720p camera for NA only</i>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|               | Processor Number                                                                                                                                                                                                                                                                            | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache           | Memory Type | Processor Graphics  | Audio support                                 | HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, dual array microphone, headphone / microphone combo jack                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|               | Ryzen 5 4500U                                                                                                                                                                                                                                                                               | 6          | 6            | 2.3 GHz        | 4.0 GHz             | 3MB L2 / 8MB L3 | DDR4-2666   | AMD Radeon Graphics | Keyboard                                      | 6-row, multimedia Fn keys, numeric keypad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Ryzen 7 4700U | 8                                                                                                                                                                                                                                                                                           | 8          | 2.0 GHz      | 4.1 GHz        | 4MB L2 / 8MB L3     | Touchpad        |             |                     | Buttonless Mylar surface multi-touch touchpad |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Graphics      | AMD Radeon Graphics in processor; supports external digital monitor via HDMI; supports dual independent display; Max resolution: 3840x2160 @ 30Hz (HDMI)                                                                                                                                    |            |              |                |                     |                 |             |                     | Security                                      | Power-on password, hard disk password, supervisor password                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Chipset       | AMD SoC (System on Chip) platform                                                                                                                                                                                                                                                           |            |              |                |                     |                 |             |                     | Security chip                                 | Firmware TPM 2.0 integrated in chipset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Memory        | 8GB max offering / 2666MHz DDR4, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket                                                                                                                                                                                                |            |              |                |                     |                 |             |                     | Fingerprint reader                            | <i>Optional:</i> Touch style fingerprint reader on power button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Display       | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>17.3" (439mm) HD+ (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio</li><li>17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio</li></ul> |            |              |                |                     |                 |             |                     | Battery                                       | Integrated Li-Polymer 42Wh battery or 56Wh battery, supports Rapid Charge (charge up to 80% in 1hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Multi-touch   | None                                                                                                                                                                                                                                                                                        |            |              |                |                     |                 |             |                     | Max battery life                              | <i>MobileMark® 2014:</i> 9.8 hr (42Wh), 13.4 hr (56Wh)<br><i>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</i>                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage       | <i>Up to 2 drives (one HDD and one M.2 SSD):</i> <ul style="list-style-type: none"><li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</li><li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li><li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li></ul>                                                      |            |              |                |                     |                 |             |                     | AC adapter                                    | 65W round tip AC adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Optical       | None                                                                                                                                                                                                                                                                                        |            |              |                |                     |                 |             |                     | Preload( <i>optional</i> )                    | <i>Preloaded operating system</i> <ul style="list-style-type: none"><li>Windows® 10 Home 64</li><li>Windows 10 Home in S mode</li><li>Windows 10 Pro 64</li></ul> <i>Preloaded applications (only some listed)</i> <ul style="list-style-type: none"><li>Microsoft Office Home and Business 2019</li><li>Microsoft Office Home and Student 2019</li><li>Microsoft Office Trial (with 30-day license)</li><li>Microsoft Office Professional 2019</li><li>Microsoft Office Personal 2019</li><li>Microsoft 365 Family</li><li>Microsoft 365 Personal</li></ul> |
| Ethernet      | None                                                                                                                                                                                                                                                                                        |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| WLAN          | 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card                                                                                                                                                                                                                                                |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Bluetooth™    | Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                       |            |              |                |                     |                 |             |                     | Limited warranty                              | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>1-year depot repair service</li><li>1-year depot with 2-year system board repair service</li><li>2-year/1-yr battery depot repair service</li></ul>                                                                                                                                                                                                                                                                                                                |
| Dimensions    | <i>WxDxH:</i> 15.83" x 11.07" x 0.78"; 402mm x 281.25mm x 19.9mm                                                                                                                                                                                                                            |            |              |                |                     |                 |             |                     | Environment                                   | ENERGY STAR® 8.0; ErP lot3; RoHS-compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight        | Starting at 4.85 lb / 2.2 kg                                                                                                                                                                                                                                                                |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Case color    | Abyss blue or platinum grey                                                                                                                                                                                                                                                                 |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Case material | PC/ABS plastic                                                                                                                                                                                                                                                                              |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Media reader  | 4-in-1 media reader (MMC, SD, SDHC, SDXC)                                                                                                                                                                                                                                                   |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Ports         | One USB 2.0, two USB 3.2 Gen 1, HDMI 1.4b, 4-in-1 media reader (MMC, SD, SDHC, SDXC), headphone / microphone combo jack, AC power adapter jack<br><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>                                        |            |              |                |                     |                 |             |                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Note: The specifications above may not be available in all regions and might change by region.

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