

# IdeaPad 5 15ARE05 81YQ004LGE

**Product**

IdeaPad 5 15ARE05

**Region**

WE

**Country/Region**

Germany

**Machine Type**

81YQ

**Processor**

AMD Ryzen 7 4800U (8C / 16T, 1.8 / 4.2GHz, 4MB L2 / 8MB L3)

**Graphics**

Integrated AMD Radeon Graphics

**Chipset**

AMD SoC Platform

**Memory**

16GB Soldered DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe NVMe

**Display**

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

**Touchscreen**

None

**Optical**

None

**Media Reader**

4-in-1 Card Reader

**Ethernet**

None

**WLAN + Bluetooth**

11ax, 2x2 + BT5.1

**Case Material**

Aluminum (Top) + PC / ABS (Bottom)

**Camera**

720p

**Microphone**

2x, Array

**Color**

Graphite Grey

**Keyboard**

Backlit, German

**Fingerprint Reader**

Touch Style

**TPM**

FW TPM 2.0

**Battery**

Integrated 70Wh

**Power Adapter**

65W Round Tip

**Operating System**

Windows 10 Home 64, German

**Bundled Software**

Office Trial

**Base Warranty**

2-year, Depot

**Bundled Service**

None

**EAN / UPC / JAN**

195042544152

**End of Support**

2026-05-14

**Announce Date**

2020-04-28

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AMD

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# IdeaPad 5 15ARE05 Platform Specifications

Product Specifications Reference (PSREF)



Processor	<p>AMD Ryzen™ Mobile Processors with Radeon™ Graphics</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Ryzen 3 4300U</td> <td>4</td> <td>4</td> <td>2.7 GHz</td> <td>3.7 GHz</td> <td>2MB/L2 4MB/L3</td> <td rowspan="4">DDR4-3200</td> <td rowspan="4">AMD Radeon Graphics</td> </tr> <tr> <td>Ryzen 5 4500U</td> <td rowspan="2">6</td> <td>6</td> <td>2.3 GHz</td> <td>4.0 GHz</td> <td rowspan="2">3MB/L2 8MB/L3</td> </tr> <tr> <td>Ryzen 5 4600U</td> <td>12</td> <td>2.1 GHz</td> <td>4.0 GHz</td> </tr> <tr> <td>Ryzen 7 4700U</td> <td rowspan="2">8</td> <td>8</td> <td>2.0 GHz</td> <td>4.1 GHz</td> <td rowspan="2">4MB/L2 8MB/L3</td> </tr> <tr> <td>Ryzen 7 4800U</td> <td>16</td> <td>1.8 GHz</td> <td>4.2 GHz</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Ryzen 3 4300U	4	4	2.7 GHz	3.7 GHz	2MB/L2 4MB/L3	DDR4-3200	AMD Radeon Graphics	Ryzen 5 4500U	6	6	2.3 GHz	4.0 GHz	3MB/L2 8MB/L3	Ryzen 5 4600U	12	2.1 GHz	4.0 GHz	Ryzen 7 4700U	8	8	2.0 GHz	4.1 GHz	4MB/L2 8MB/L3	Ryzen 7 4800U	16	1.8 GHz	4.2 GHz	<p>Media reader Ports</p> <p>4-in-1 media reader (MMC, SD, SDHC, SDXC) Two USB 3.2 Gen 1 (one Always on) one USB 3.2 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, 4-in-1 media reader (MMC, SD, SDHC, SDXC), AC power adapter jack, headphone / microphone combo jack <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i></p> <p>Camera</p> <p>HD720p, 1.0MP resolution, with privacy shutter, fixed focus, bump camera, with dual array microphone</p> <p>Audio support</p> <p>HD Audio, Dolby Audio™, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack</p> <p>Keyboard Touchpad</p> <p>6-row, multimedia Fn keys, numeric keypad, optional LED backlight Buttonless Mylar surface multi-touch touchpad</p> <p>Security</p> <p>Power-on password, hard-disk password, supervisor password Security chip Firmware TPM 2.0 integrated in chipset Fingerprint reader <i>Optional</i>: Touch style fingerprint reader on power button</p> <p>Battery</p> <p>Integrated Li-Polymer 45Wh, 57Wh or 70Wh battery,</p> <table border="1"> <thead> <tr> <th>Battery</th> <th>Support Rapid charge (charge up to 80% in 1hr)</th> </tr> </thead> <tbody> <tr> <td>45Wh</td> <td>with 65W or 95W AC dapter</td> </tr> <tr> <td>57Wh</td> <td>with 65W or 95W AC dapter</td> </tr> <tr> <td>70Wh</td> <td>with 95W AC adapter</td> </tr> </tbody> </table>	Battery	Support Rapid charge (charge up to 80% in 1hr)	45Wh	with 65W or 95W AC dapter	57Wh	with 65W or 95W AC dapter	70Wh	with 95W AC adapter
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Graphics	<p>AMD Radeon Graphics in processor; supports external digital monitor via HDMI or USB-C; supports three independent displays; Max resolution: 3840x2160@30Hz (HDMI); 3840x2160@30Hz (USB-C)</p>																																													
Chipset Memory	<p>AMD SoC (System on Chip) platform 4GB, 8GB or 16GB / 3200MHz DDR4, soldered to systemboard, dual-channel capable (8GB, 16GB only), no socket</p>																																													
Display	<p>One of the following, configurable by model:</p> <table border="1"> <thead> <tr> <th>Size</th> <th>Resolution</th> <th>Type</th> <th>Surface</th> <th>Brightness</th> <th>Aspect Ratio</th> <th>Color Gamut</th> </tr> </thead> <tbody> <tr> <td>15.6"</td> <td>FHD (1920x1080)</td> <td>TN</td> <td>Anti-glare</td> <td>250 nits</td> <td>16:9</td> <td>45%</td> </tr> <tr> <td>15.6"</td> <td>FHD (1920x1080)</td> <td>IPS</td> <td>Anti-glare</td> <td>300 nits</td> <td>16:9</td> <td>45%</td> </tr> <tr> <td>15.6"</td> <td>FHD (1920x1080)</td> <td>IPS</td> <td>Anti-glare</td> <td>300 nits</td> <td>16:9</td> <td>100%</td> </tr> </tbody> </table>	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Color Gamut	15.6"	FHD (1920x1080)	TN	Anti-glare	250 nits	16:9	45%	15.6"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	45%	15.6"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	100%	<p>Max battery life</p> <p><i>MobileMark® 2014</i>: 11.5 hr (45Wh), 14 hr (57Wh) or 17 hr (70Wh) <i>* Battery life varies significantly with settings, usage, &amp; other factors</i></p> <p>AC adapter</p> <p>65W round tip / USB-C or 95W USB-C AC adapter</p>																
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Multi-touch (opt)	On-cell touch, support 10-finger gesture																																													
Storage	<p>Up to 2 drives (one HDD and one M.2 SSD):</p> <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>																																													
Optical (optional)	External DVD burner, 9.5mm high																																													
Ethernet	None																																													
WLAN + Bluetooth™	<p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> <li>802.11ac 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card</li> <li>802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card</li> </ul>	<p>Limited warranty</p> <p>One of the following, configurable by model:</p> <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	<p>Aluminum bottom model: 14.04" x 9.18" x 0.67"; 356.67mm x 233.13mm x 16.9mm Plastic bottom model: 14.04" x 9.18" x 0.7"; 356.67mm x 233.13mm x 17.9mm</p>	<p>Environment</p> <p>ENERGY STAR® 8.0; ErP lot3; RoHS-compliant</p>																																												
Weight	Starting at 3.66 lb / 1.66 kg																																													
Case color	Graphite grey, light teal or platinum grey																																													
Case material	<p>Display cover: Aluminum Bottom: PC/ABS plastic or Aluminum</p>																																													

Note: The specifications above may not be available in all regions.

Lenovo  
April 2020

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