

# IdeaPad 5 15ARE05 81YQ000FGE

**Product**

IdeaPad 5 15ARE05

**Region**

WE

**Country/Region**

Germany

**Machine Type**

81YQ

**Processor**

AMD Ryzen 5 4500U (6C / 6T, 2.3 / 4.0GHz, 3MB L2 / 8MB L3)

**Graphics**

Integrated AMD Radeon Graphics

**Chipset**

AMD SoC Platform

**Memory**

8GB Soldered DDR4-3200

**Storage**

512GB SSD M.2 2242 PCIe NVMe 3.0x2

**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**

Non-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**

194778139588

**End of Support**

2026-05-13

**Announce Date**

2020-04-13

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AMD

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# IdeaPad 5 15ARE05 Platform Specifications

Product Specifications Reference (PSREF)



Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics							Media reader Ports 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>								
	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												
Graphics	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)							Camera HD720p, 1.0MP resolution, with privacy shutter, fixed focus, bump camera, with dual array microphone								
Chipset	AMD SoC (System on Chip) platform							Audio support HD Audio, Dolby Audio™, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack								
Memory	4GB, 8GB or 16GB / 3200MHz DDR4, soldered to systemboard, no socket							Keyboard 6-row, multimedia Fn keys, numeric keypad, optional LED backlight								
Display	One of the following, configurable by model:							Touchpad Buttonless Mylar surface multi-touch touchpad								
	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Color Gamut	Security Power-on password, hard-disk password, supervisor password								
	15.6"	FHD (1920x1080)	TN	Anti-glare	250 nits	16:9	45%	Security chip Firmware TPM 2.0 integrated in chipset								
	15.6"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	45%	Fingerprint reader <i>Optional:</i> Touch style fingerprint reader on power button								
	15.6"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	100%	Battery Integrated Li-ion 45Wh, 57Wh or 70Wh battery,								
Multi-touch (opt)	On-cell touch, support 10-finger gesture							<table border="1"> <tr> <td>Battery</td> <td>Support Rapid charge (charge up to 80% in 1hr)</td> </tr> <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> </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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45Wh	with 65W or 95W AC dapter															
57Wh	with 65W or 95W AC dapter															
70Wh	with 95W AC adapter															
Storage	Up to 2 drives (one HDD and one M.2 SSD): <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>							Max battery life <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>								
Optical (optional)	External DVD burner, 9.5mm high							AC adapter 65W round tip or 95W USB-C AC adapter								
Ethernet	None							Preload (optional) <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 Trial (with 30-day license)</li> <li>Microsoft Office Home and Student 2019</li> <li>Microsoft Office Home and Business 2019</li> <li>Microsoft Office Professional 2019</li> <li>Microsoft Office Personal 2019</li> </ul>								
WLAN + Bluetooth™	One of the following, configurable by model: <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>							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	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							Environment ENERGY STAR® 8.0; ErP lot3; RoHS-compliant								
Weight	Starting at 3.66 lb / 1.66 kg															
Case color	Graphite grey, light teal or platinum grey															
Case material	Display cover: Aluminum Bottom: PC/ABS plastic or Aluminum															

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

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