

IdeaPad 5 15ARE05 81YQ008EGE

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

16GB Soldered DDR4-3200

Storage

512GB SSD M.2 2242 PCIe NVMe 3.0x2

Display

15.6" FHD (1920x1080) WVA 300nits Anti-glare, 45% NTSC

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

Surface Treatment

Anodizing

Color

Light Teal

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

195235089705

End of Support

2026-05-14

Announce Date

2020-04-13

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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 PD 3.0 and DP 1.2), 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	AMD SoC (System on Chip) platform																																													
Memory	4GB, 8GB or 16GB / 3200MHz DDR4, soldered to systemboard, dual-channel capable (8GB, 16GB only), no socket																																													
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% NTSC</td> </tr> <tr> <td>15.6"</td> <td>FHD (1920x1080)</td> <td>WVA</td> <td>Anti-glare</td> <td>300 nits</td> <td>16:9</td> <td>45% NTSC</td> </tr> <tr> <td>15.6"</td> <td>FHD (1920x1080)</td> <td>WVA</td> <td>Anti-glare</td> <td>300 nits</td> <td>16:9</td> <td>100% sRGB</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% NTSC	15.6"	FHD (1920x1080)	WVA	Anti-glare	300 nits	16:9	45% NTSC	15.6"	FHD (1920x1080)	WVA	Anti-glare	300 nits	16:9	100% sRGB																	
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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"> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 																																													
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"> 802.11ac 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card 																																													
Dimensions	<p>Aluminum bottom model: 14.04" x 9.18" x 0.67"; 356.67mm x 233.13mm x 16.9mm</p> <p>Plastic bottom model: 14.04" x 9.18" x 0.7"; 356.67mm x 233.13mm x 17.9mm</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</p> <p>Bottom: PC/ABS plastic or Aluminum</p>																																													
Limited warranty	<p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> 1-year depot repair service 1-year depot with 2-year system board repair service 2-year/1-yr battery depot repair service 																																													
Environment	ENERGY STAR® 8.0; ErP lot3; RoHS-compliant																																													
Preload (optional)	<p><i>Preloaded operating system</i></p> <ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Home in S mode Windows 10 Pro 64 <p><i>Preloaded applications (only some listed)</i></p> <ul style="list-style-type: none"> Microsoft Office Trial (with 30-day license) Microsoft Office Home and Student 2019 Microsoft Office Home and Business 2019 Microsoft Office Professional 2019 Microsoft Office Personal 2019 Microsoft 365 Family Microsoft 365 Personal 																																													

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

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July 2020

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