

# 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	Camera	HD720p, 1.0MP resolution, with privacy shutter, fixed focus, bump camera, with dual array microphone																											
	Ryzen 3 4300U	4	4	2.7 GHz	3.7 GHz	2MB/L2 4MB/L3	DDR4-3200	AMD Radeon Graphics	Audio support	HD Audio, Dolby Audio™, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack																											
	Ryzen 5 4500U	6	6	2.3 GHz	4.0 GHz	3MB/L2 8MB/L3			Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad, optional LED backlight Buttonless Mylar surface multi-touch touchpad																											
	Ryzen 5 4600U		12	2.1 GHz	4.0 GHz	4MB/L2 8MB/L3			Security Security chip	Power-on password, hard-disk password, supervisor password Firmware TPM 2.0 integrated in chipset																											
	Ryzen 7 4700U	8	8	2.0 GHz	4.1 GHz				Fingerprint reader	<i>Optional:</i> Touch style fingerprint reader on power button																											
	Ryzen 7 4800U		16	1.8 GHz	4.2 GHz	Battery	Integrated Li-Polymer 45Wh, 57Wh or 70Wh battery, <table border="1"> <tr> <th>Battery</th> <th>Support Rapid charge (charge up to 80% in 1hr)</th> </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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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)							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>																												
Chipset Memory	AMD SoC (System on Chip) platform 4GB, 8GB or 16GB / 3200MHz DDR4, soldered to systemboard, dual-channel capable (8GB, 16GB only), no socket							AC adapter	65W round tip / USB-C or 95W USB-C AC adapter																												
Display	<i>One of the following, configurable by model:</i> <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%	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> <li>Microsoft 365 Family</li> <li>Microsoft 365 Personal</li> </ul>
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Multi-touch (opt)	On-cell touch, support 10-finger gesture							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>																												
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>							Environment	ENERGY STAR® 8.0; ErP lot3; RoHS-compliant																												
Optical (optional)	External DVD burner, 9.5mm high																																				
Ethernet	None																																				
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> <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>																																				
Dimensions	<i>Aluminum bottom model:</i> 14.04" x 9.18" x 0.67"; 356.67mm x 233.13mm x 16.9mm <i>Plastic bottom model:</i> 14.04" x 9.18" x 0.7"; 356.67mm x 233.13mm x 17.9mm																																				
Weight	Starting at 3.66 lb / 1.66 kg																																				
Case color	Graphite grey, light teal or platinum grey																																				
Case material	<i>Display cover:</i> Aluminum <i>Bottom:</i> PC/ABS plastic or Aluminum																																				

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

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