

Lenovo Legion 7 15IMHg05 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i7 / i9 Processor	Media reader Ports	None																									
	<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>i7-10750H</td> <td>6</td> <td>12</td> <td>2.6 GHz</td> <td>5.0 GHz</td> <td>12MB</td> <td rowspan="3">DDR4-2933</td> <td rowspan="3">Intel UHD Graphics</td> </tr> <tr> <td>i7-10875H</td> <td rowspan="2">8</td> <td rowspan="2">16</td> <td>2.3 GHz</td> <td>5.1 GHz</td> <td rowspan="2">16MB</td> </tr> <tr> <td>i9-10980HK</td> <td>2.4 GHz</td> <td>5.3 GHz</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB	DDR4-2933	Intel UHD Graphics	i7-10875H	8	16	2.3 GHz	5.1 GHz	16MB	i9-10980HK	2.4 GHz	5.3 GHz		One USB 3.1 Gen 1 (Always On), two USB 3.1 Gen 2, one USB 3.1 Type-C Gen 1 (with the function of Display 1.4), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of DP 1.4), HDMI 2.0, Ethernet (RJ-45), headphone / microphone combo jack, security keyhole, AC power adapter 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																					
i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB	DDR4-2933	Intel UHD Graphics																					
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Graphics	<table border="1"> <thead> <tr> <th>Integrated Graphics</th> <th>Discrete Graphics (Memory)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Intel UHD Graphics</td> <td>NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready</td> </tr> <tr> <td>NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6 memory), VR ready</td> </tr> <tr> <td>NVIDIA GeForce RTX 2070 Super Max-Q (8GB GDDR6 memory), VR ready</td> </tr> <tr> <td>NVIDIA GeForce RTX 2080 Super Max-Q (8GB GDDR6 memory), VR ready</td> </tr> </tbody> </table> <p>supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (HDMI); 4096x2304@60Hz (USB Type-C)</p>	Integrated Graphics	Discrete Graphics (Memory)	Intel UHD Graphics	NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready	NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6 memory), VR ready	NVIDIA GeForce RTX 2070 Super Max-Q (8GB GDDR6 memory), VR ready	NVIDIA GeForce RTX 2080 Super Max-Q (8GB GDDR6 memory), VR ready	Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus																		
Integrated Graphics	Discrete Graphics (Memory)																											
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		Audio support	HD Audio, Realtek ALC3306 codec / Dolby Atmos® speaker system for gaming certification, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack																									
		Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, anti-ghost, RGB LED backlight with CORSAIR® iCUE																									
		Touchpad	Buttonless Mylar surface multi-touch touchpad																									
		Security	Power-on password, hard-disk password, supervisor password, security keyhole																									
		Security chip	Firmware TPM 2.0 integrated in chipset																									
		Fingerprint reader	None																									
Chipset	Intel HM470 Chipset	Battery	Integrated Li-Polymer 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)																									
Memory	<i>i9-10980HK or i7-10875H model:</i> 32GB max / 3200MHz DDR4 <i>i7-10750H model:</i> 32GB max / 2933MHz DDR4 <i>All:</i> dual-channel capable, two DDR4 SO-DIMM sockets <i>* System overclocks to support DDR4-3200 for i7-10875H or i9-10980HK</i>	Max battery life	<i>MobileMark® 2014:</i> 6 hr (G-sync mode) or 8 hr (hybrid mode) <i>* Battery life varies significantly with settings, usage, & other factors</i>																									
		AC adapter	230W slim tip AC adapter																									
Display	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz, G-Sync® 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 100% Adobe RGB gamut, refresh rate 144Hz, DisplayHDR400, Dolby Vision™, G-Sync 	Preload (optional)	<i>Preloaded operating system</i>																									
Multi-touch	None		<ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> <ul style="list-style-type: none"> Microsoft Office Trial (with 30-day license) Microsoft Office Home and Business 2019 Microsoft Office Home and Student 2019 Microsoft 365 Family Microsoft 365 Personal Microsoft Office Professional 2019 Microsoft Office Personal 2019 																									
Storage	<i>Up to 2 drives:</i>	Limited warranty	<i>One of the following, configurable by model:</i>																									
	M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4		<ul style="list-style-type: none"> 1-year depot repair service 1-year depot repair with 2-year system board repair service 2-year/1-yr battery depot repair service 																									
RAID (optional)	RAID 0 support	Environment	ErP lot3; RoHS-compliant																									
Optical	None																											
Ethernet	Gigabit Ethernet connection																											
WLAN	802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card																											
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																											
Dimensions	<i>WxDxH:</i> 14.15" x 10.20" x 0.78"; 359.34mm x 259.04mm x 19.9mm																											
Weight	Starting at 4.96 lb / 2.25 kg																											
Case color	Slate grey																											
Case material	Aluminum																											
Lighting	<ul style="list-style-type: none"> "Y" Logo RGB lighting on display cover RGB lighting on power button "U" Strip RGB lighting RGB lighting on rear thermal vent 																											

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

Lenovo
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