

ThinkBook 15 IIL 20SM0012US

Product

ThinkBook 15 IIL

Region

NA

Country/Region

USA

Machine Type

20SM

TopSeller

TopSeller

Processor

Intel Core i5-1035G1 (4C / 8T, 1.0 / 3.6GHz, 6MB)

Graphics

Integrated Intel UHD Graphics

Chipset

Intel SoC Platform

Memory

1x 8GB SO-DIMM DDR4-2666

Storage

256GB SSD M.2 2242 PCIe NVMe 3.0x2

Display

15.6" FHD (1920x1080) IPS 250nits Anti-glare

Touchscreen

None

Optical

None

Media Reader

4-in-1 Card Reader

Ethernet

100/1000M

WLAN + Bluetooth

11ac, 2x2 + BT5.0

Case Material

Aluminum (Top) + PC / ABS (Bottom)

Camera

720p with ThinkShutter

Microphone

2x, Array

Color

Mineral Grey

Keyboard

Backlit, English (US)

Fingerprint Reader

Touch Style

TPM

FW TPM 2.0

Battery

Integrated 45Wh

Power Adapter

65W Slim Tip

Operating System

Windows 10 Pro 64, English

Bundled Software

Office Trial

Base Warranty

1-year, Depot

Bundled Service

None

EAN / UPC / JAN

194632736335

End of Support

2026-06-25

Announce Date

2019-11-25

Recommended Services

Best

3Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection) (5PS0N73156)

Better

3Y Lenovo Support (Premier Support + Keep Your Drive) (5PS0N73153)

Good

3Y Premier Support Upgrade from 1Y Depot/CCI (5WS0T36151)

Notes:

California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>



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ThinkBook 15 IIL Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i3 / i5 / i7 Processor								<p>Media reader Ports</p> <p>4-in-1 media reader (MMC, SD, SDHC, SDXC) One hidden USB 2.0, two USB 3.1 Gen 1 (one Always On), One USB-C 3.1 Gen 1, one USB-C 3.1 Gen 2 (with the function of DisplayPort and power delivery), HDMI 1.4b, security keyhole, Ethernet (RJ45), 4-in-1 media reader (MMC, SD, SDHC, SDXC), headphone / microphone combo jack, AC power adapter jack <small>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</small></p>																					
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																						
	i3-1005G1	2	4	1.2 GHz	3.4 GHz	4MB	DDR4-3200	Intel UHD Graphics																						
	i5-1035G1	4	8	1.0 GHz	3.6 GHz	6MB		Intel Iris® Plus Graphics																						
	i5-1035G4			1.1 GHz	3.7 GHz																									
	i5-1035G7			1.2 GHz	3.7 GHz																									
	i7-1065G7			1.3 GHz	3.9 GHz	8MB																								
Graphics	Intel UHD Graphics or Intel Iris Plus Graphics in processor only, or Intel UHD Graphics or Intel Iris Plus Graphics in processor and AMD Radeon™ 630, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@30Hz (HDMI); 3840x2160@60Hz (USB Type-C)								<p>Camera</p> <p>HD720p camera with ThinkShutter, fixed focus, integrated dual array digital microphone</p> <p>Audio support</p> <p>HD Audio, Realtek ALC3287 codec, stereo speakers, 2W x 2, Dolby Audio™, dual array digital microphone</p> <p>Keyboard Trackpad</p> <p>6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight Buttonless Mylar surface touchpad, multi-touch</p> <p>Security</p> <p>Security chip</p> <p>Firmware TPM 2.0 integrated in chipset</p> <p>Fingerprint reader</p> <p><i>Optional:</i> Touch style fingerprint reader on power button</p> <p>Battery</p> <p>Integrated Li-Polymer 45Wh (supports Rapid Charge 1 hr 80%) or 57Wh battery</p> <p>Max battery life</p> <p><i>MobileMark® 2014:</i> 9 hr (45Wh) or 12 hr (57Wh) <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i></p> <p>AC adapter</p> <p>65W slim tip (rectangle) or slim USB-C AC adapter</p> <p>Preload (optional)</p> <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 Windows 10 Pro in S mode <p><i>Preloaded applications (only some listed)</i></p> <ul style="list-style-type: none"> Microsoft Office Home and Business 2019 Microsoft Office Home and Student 2019 Microsoft Office Trial (with 30-day license) Microsoft Office 365 Home Microsoft Office 365 Personal Microsoft Office Professional 2019 Microsoft Office Personal 2019 <p>Limited warranty</p> <p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> 1-year depot repair service 1-year with 2-year system board repair service 2-year/1-yr battery depot repair service <p>Mil-Spec test</p> <p>MIL-STD-810G military testing</p> <p>Environment</p> <p>EPEAT™ Silver; ENERGY STAR® 7.1; ErP lot3, RoHS-compliant</p>																					
Chipset	Intel SoC (System on Chip) platform																													
Memory	16GB max / 2666MHz DDR4 or 3200MHz DDR4, one DDR4 SO-DIMM socket																													
Display	<table border="1"> <thead> <tr> <th>Size</th><th>Resolution</th><th>Surface</th><th>Type</th><th>Brightness</th><th>Aspect Ratio</th><th>Contrast Ratio</th></tr> </thead> <tbody> <tr> <td>15.6" (396mm)</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>TN</td><td>220 nits</td><td>16:9</td><td>500:1</td></tr> <tr> <td>15.6" (396mm)</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>IPS</td><td>250 nits</td><td>16:9</td><td>800:1</td></tr> </tbody> </table>									Size	Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	15.6" (396mm)	FHD (1920x1080)	Anti-glare	TN	220 nits	16:9	500:1	15.6" (396mm)	FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	800:1
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Multi-touch	None																													
Storage	Up to 2 drives (one HDD and one M.2 SSD): <ul style="list-style-type: none">HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection SystemM.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4Intel Optane™ Memory H10 with SSD, M.2 2280, PCIe NVMe 3.0 x 4																													
Optical	None																													
Ethernet	Gigabit Ethernet connection																													
WLAN	One of the following, configurable by model: <ul style="list-style-type: none">802.11ac 1x1 Wi-Fi + Bluetooth 5.0, M.2 card802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 card802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card																													
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																													
Dimensions	WxDxH: 14.33" x 9.65" x 0.74"; 364mm x 245mm x 18.9mm								<p>Lenovo</p> <p>May 2020</p>																					
Weight	Starting at 3.97 lb / 1.8 kg																													
Case color	Mineral Grey																													
Case material	Display cover: Aluminum Bottom: PC/ABS plastic																													

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

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