

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

8GB 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

2025-12-25

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								Media reader Ports	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 <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		
	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)								Camera	HD720p camera with ThinkShutter, fixed focus, integrated dual array digital microphone
Chipset	Intel SoC (System on Chip) platform								Audio support	HD Audio, Realtek ALC3287 codec, stereo speakers, 2W x 2, Dolby Audio™, dual array digital microphone
Memory	16GB max / 2666MHz DDR4 or 3200MHz DDR4, one DDR4 SO-DIMM socket								Keyboard Trackpad	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight Buttonless Mylar surface touchpad, multi-touch
Display	Intel SoC (System on Chip) platform								Security	Power-on password, hard disk password, supervisor password, security keyhole
	16GB max / 2666MHz DDR4 or 3200MHz DDR4, one DDR4 SO-DIMM socket								Security chip	Firmware TPM 2.0 integrated in chipset
	Size	Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Fingerprint reader	<i>Optional:</i> Touch style fingerprint reader on power button	
15.6" (396mm)	FHD (1920x1080)	Anti-glare	TN	220 nits	16:9	500:1	Battery	Integrated Li-ion 45Wh (supports Rapid Charge 1 hr 80%) or 57Wh battery		
15.6" (396mm)	FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	800:1	Max battery life	<i>MobileMark® 2014:</i> 9 hr (45Wh) or 12 hr (57Wh) <i>* Battery life varies significantly with settings, usage, & other factors</i>		
Multi-touch	None								AC adapter	65W slim tip (rectangle) or slim USB-C AC adapter
Storage	Up to 2 drives (one HDD and one M.2 SSD): • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 • Intel Optane™ Memory H10 with SSD, M.2 2280, PCIe NVMe 3.0 x 4								Preload (optional)	<i>Preloaded operating system</i> • Windows® 10 Home 64 • Windows 10 Home in S mode • Windows 10 Pro 64 • Windows 10 Pro in S mode <i>Preloaded applications (only some listed)</i> • 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
Optical	None								Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 1-year with 2-year system board repair service • 2-year/1-yr battery depot repair service
Ethernet	Gigabit Ethernet connection								Mil-Spec test	MIL-STD-810G military testing
WLAN	<i>One of the following, configurable by model:</i> • 802.11ac 1x1 Wi-Fi + Bluetooth 5.0, M.2 card • 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 card • 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card								Environment	EPEAT™ Silver; ENERGY STAR® 7.1; ErP lot3, RoHS-compliant
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									
Dimensions	<i>WxDxH:</i> 14.33" x 9.65" x 0.74"; 364mm x 245mm x 18.9mm									
Weight	Starting at 3.97 lb / 1.8 kg									
Case color	Mineral Grey									
Case material	<i>Display cover:</i> Aluminum									
	<i>Bottom:</i> PC/ABS plastic									

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

Lenovo
February 2019

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