

# ThinkBook 15 G2 ITL 20VE003GUS

**Product**  
ThinkBook 15 G2 ITL

**Region**  
NA

**Country/Region**  
USA

**Machine Type**  
20VE

**TopSeller**  
TopSeller

**Processor**  
Intel Core i5-1135G7 (4C / 8T, 2.4 / 4.2GHz, 8MB)

**Graphics**  
Integrated Intel Iris Xe Graphics

**Chipset**  
Intel SoC Platform

**Memory**  
8GB Soldered DDR4-3200

**Storage**  
256GB SSD M.2 2242 PCIe 3.0x4 NVMe + Empty HDD Bay

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

**Touchscreen**  
None

**Optical**  
None

**Card Reader**  
4-in-1 Card Reader

**Ethernet**  
100/1000M

**WLAN + Bluetooth**  
Intel AX201 11ax, 2x2 + BT5.1

**Bundled Accessories**  
None

**Camera**  
720p with ThinkShutter

**Microphone**  
2x, Array

**Case Color**  
Mineral Grey

**Surface Treatment**  
Anodizing sandblasting

**Case Material**  
Aluminium (Top), PC / ABS (Bottom)

**Keyboard**  
Backlit, English (US)

**Fingerprint Reader**  
Touch Style

**Security Chip**  
Firmware TPM 2.0

**Battery**  
Integrated 45Wh

**Power Adapter**  
65W USB-C

**Operating System**  
Windows 10 Pro 64, English

**Bundled Software**  
Office Trial

**Base Warranty**  
1-year, Depot

**Bundled Service**  
None

**EAN / UPC / JAN**  
195348284714

**End of Support**  
2027-04-30

**Announce Date**  
2020-09-30

## Recommended Services

**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>

 [WWW.LENOVO.COM](http://WWW.LENOVO.COM)

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# ThinkBook 15 G2 ITL Platform Specifications

Product Specifications Reference (PSREF)

Processor	11th Generation Intel® Core™ i3 / i5 / i7 Processor									Media reader Ports 4-in-1 media reader (MMC, SD, SDHC, SDXC) One Thunderbolt 4 / USB4 40Gbps (with the function of PD 3.0 and DP 1.4), one USB-C 3.2 Gen 2 (with the function of PD 3.0 and DP 1.4), two USB 3.2 Gen 1 (one Always On), HDMI 1.4b, SD card reader, Ethernet (RJ45), headphone / microphone combo jack, security keyhole <small>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</small>																																																												
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																														
	i3-1115G4	2	4	3.0 GHz	4.1 GHz	6MB	DDR4-3200	Intel UHD Graphics																																																														
	i5-1135G7	4	8	2.4 GHz	4.2 GHz	8MB		Intel Iris® Xe Graphics																																																														
	i7-1165G7			2.8 GHz	4.7 GHz	12MB																																																																
Graphics	Intel UHD Graphics or Intel Iris Xe Graphics in processor and NVIDIA® GeForce® MX450, 2GB GDDR6 memory; supports up to 4 independent displays via native display and three external monitors; supports external monitors via HDMI (up to 3840x2160@30Hz) or USB Type-C (up to 5120x3200@60Hz) or Thunderbolt® (up to 5120x3200@60Hz)									Camera HD720p camera with ThinkShutter, fixed focus, integrated dual array digital microphone Audio support HD Audio, Realtek ALC3287 codec, stereo speakers, 2W x 2, Dolby Audio™, dual array digital microphone, optional ThinkBook Integrated Earbuds <small>(Earbuds is not available for the models with HDD bay)</small>																																																												
Chipset Memory	Intel SoC (System on Chip) platform 40GB max / 3200MHz DDR4, dual-channel capable 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM slot																																																																					
Display	<table border="1"> <thead> <tr> <th>Size</th><th>Resolution</th><th>Surface</th><th>Touch</th><th>Type</th><th>Brightness</th><th>Aspect Ratio</th><th>Contrast Ratio</th><th>Color Gamut</th><th>Viewing Angle</th></tr> </thead> <tbody> <tr> <td>15.6"</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>-</td><td>TN</td><td>220 nits</td><td>16:9</td><td>500:1</td><td>45% NTSC</td><td>90°</td></tr> <tr> <td>15.6"</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>-</td><td>IPS</td><td>250 nits</td><td>16:9</td><td>700:1</td><td>45% NTSC</td><td>170°</td></tr> <tr> <td>15.6"</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>-</td><td>IPS</td><td>300 nits</td><td>16:9</td><td>800:1</td><td>45% NTSC</td><td>170°</td></tr> <tr> <td>15.6"</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>-</td><td>IPS</td><td>300 nits</td><td>16:9</td><td>1200:1</td><td>100% sRGB</td><td>170°</td></tr> <tr> <td>15.6"</td><td>FHD (1920x1080)</td><td>Anti-glare</td><td>Multi-touch</td><td>IPS</td><td>300 nits</td><td>16:9</td><td>800:1</td><td>45% NTSC</td><td>170°</td></tr> </tbody> </table>										Size	Resolution	Surface	Touch	Type	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	15.6"	FHD (1920x1080)	Anti-glare	-	TN	220 nits	16:9	500:1	45% NTSC	90°	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	250 nits	16:9	700:1	45% NTSC	170°	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	300 nits	16:9	800:1	45% NTSC	170°	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	300 nits	16:9	1200:1	100% sRGB	170°	15.6"	FHD (1920x1080)	Anti-glare	Multi-touch	IPS	300 nits	16:9	800:1	45% NTSC	170°
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Multi-touch(opt)	Capacitive-type on-cell multi-touch, supports 10 fingers gesture									Battery Integrated Li-Polymer 45Wh or 60Wh battery, 45Wh battery supports Rapid Charge Pro (charge up to 50% in 30min) 60Wh battery supports Rapid Charge (charge up to 80% in 1hr) <small>(60Wh battery is not available for models with HDD bay)</small> MobileMark® 2018: 6 hr (45Wh) or 8 hr (60Wh) <small>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</small> 65W USB-C AC adapter or 65W USB-C slim wall-mount AC adapter <small>(65W USB-C slim wall-mount AC adapter is only available in selected countries)</small>																																																												
Storage	System supports one M.2 2280 PCIe 4.0x4 SSD slot and one HDD bay or one M.2 2280 PCIe 4.0x4 SSD slot and one M.2 2280 PCIe 3.0x2 SSD slot, depends on model configuration: <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 4</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 or PCIe 4.0 x 4</li> </ul>																																																																					
Optical	None																																																																					
Ethernet	Gigabit Ethernet connection																																																																					
WLAN + Bluetooth™	One of the following, configurable by model: <ul style="list-style-type: none"> <li>802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 card</li> <li>Intel WiFi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.1, M.2 card</li> </ul> <small>* Intel WiFi 6 full features might be limited by country level restrictions  * BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</small>																																																																					
Dimensions	WxDxH: 14.1" x 9.25" x 0.74"; 357mm x 235mm x 18.9mm									Limited warranty One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>1-year with 2-year system board repair service</li> <li>2-year/1-yr battery depot repair service</li> </ul>																																																												
Weight	Starting at 3.75 lbs / 1.7 kg																																																																					
Case color	Mineral grey, dual tone design																																																																					
Case material	Top cover: Aluminum Bottom: PC/ABS plastic																																																																					

The specifications above may not be available in all regions and might change by regions

Lenovo  
December 2020



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