

ThinkBook 15 G2 ARE 20VG0064US

Product

ThinkBook 15 G2 ARE

Region

NA

Country/Region

USA

Machine Type

20VG

TopSeller

TopSeller

Processor

AMD Ryzen 7 4700U (8C / 8T, 2.0 / 4.1GHz, 4MB L2 / 8MB L3)

Graphics

Integrated AMD Radeon Graphics

Chipset

AMD SoC Platform

Memory

8GB Soldered DDR4-3200 + 8GB SO-DIMM DDR4-3200

Storage

512GB SSD M.2 2242 PCIe 3.0x4 NVMe + Empty HDD Bay

Display

15.6" FHD (1920x1080) IPS 300nits Anti-glare, Touch

Touchscreen

10-point Multi-touch

Optical

None

Card Reader

4-in-1 Card Reader

Ethernet

100/1000M

WLAN + Bluetooth

Intel AX200 11ax, 2x2 + BT5.1

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

195348284134

End of Support

2027-04-21

Announce Date

2020-09-23

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>

L WWW.LENOVO.COM

Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<https://psref.lenovo.com>

Visit psref website for the latest version of Product specifications Reference.

© Lenovo, 2020. All rights reserved.



AMD

Lenovo™

ThinkBook 15 G2 ARE 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-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, Ethernet (RJ45), SD card reader, headphone / microphone combo jack, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
	Processor Number	# of Cores	# of Threads	Base Clock	Max Boost Clock	Cache	Memory Types	Processor Graphics			Camera	HD720p camera with ThinkShutter, fixed focus, integrated dual array digital 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, Realtek ALC3287 codec, stereo speakers, 2W x 2, Dolby Audio™, dual array digital microphone
	Ryzen 5 4500U	6	6	2.3 GHz	4.0 GHz	3MB L2 / 8MB L3					Keyboard Touchpad	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight Buttonless Mylar surface touchpad, multi-touch, supports Precision TouchPad
	Ryzen 5 4600U	6	12	2.1 GHz	4.0 GHz	3MB L2 / 8MB L3					Security	Power-on password, hard disk password, supervisor password, Kensington Nano security slot
	Ryzen 7 4700U	8	8	2.0 GHz	4.1 GHz	4MB L2 / 8MB L3					Security chip	Firmware TPM 2.0 integrated in chipset
	Ryzen 7 4800U	8	16	1.8 GHz	4.2 GHz	4MB L2 / 8MB L3					Fingerprint reader	Touch style fingerprint reader on smart power button
Graphics	AMD Radeon Graphics in processor; 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 5120x2880@60Hz)										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) <i>(60Wh battery is not available for models with HDD bay)</i> <i>MobileMark® 2018: 7.5 hr (45Wh) or 10 hr (60Wh)</i> <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>
Chipset Memory	AMD SoC (System on Chip) platform 40GB max / 3200MHz DDR4, dual-channel capable 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM slot										Max battery life	<i>(60Wh battery is not available for models with HDD bay)</i> <i>MobileMark® 2018: 7.5 hr (45Wh) or 10 hr (60Wh)</i> <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>
Display	Size	Resolution	Surface	Touch	Type	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	AC adapter	65W USB-C AC adapter or 65W USB-C slim wall-mount AC adapter <i>(65W USB-C slim wall-mount AC adapter is only available in selected countries)</i>
	15.6"	FHD (1920x1080)	Anti-glare	-	TN	220 nits	16:9	500:1	45% NTSC	90°	Preload (optional)	<i>Preloaded operating system</i> • Windows® 10 Home 64 • Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> • Microsoft® 365 Personal • Microsoft 365 Family • Microsoft Office Home and Business 2019 • Microsoft Office Home and Student 2019 • Microsoft Office Professional 2019 • Microsoft Office Personal 2019 • Microsoft Office Trial (with 30-day license)
	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	250 nits	16:9	700:1	45% NTSC	170°	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
	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	300 nits	16:9	800:1	45% NTSC	170°	Mil-Spec test	Work in progress
	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	300 nits	16:9	1200:1	100% sRGB	170°	Environment	EPEAT™ Silver; ENERGY STAR® 8.0; ErP lot3; RoHS-compliant; TUV Low Blue Light certified (IPS display only)
	15.6"	FHD (1920x1080)	Anti-glare	Multi-touch	IPS	300 nits	16:9	800:1	45% NTSC	170°		
Multi-touch(opt)	Capacitive-type on-cell multi-touch, supports 10 fingers gesture											
Storage	System supports one M.2 2280 PCIe 3.0x4 SSD slot and one HDD bay or one M.2 2280 PCIe 3.0x4 SSD slot and one M.2 2280 PCIe 3.0x2 SSD slot, depends on model configuration: • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4 • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4											
Optical	None											
Ethernet	Gigabit Ethernet connection											
WLAN + Bluetooth™	One of the following, configurable by model: • 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 card • Intel® Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.1, M.2 card <i>* Intel WiFi 6 full features might be limited by country level restrictions</i> <i>* BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</i>											
Dimensions	WxDxH: 14.1" x 9.25" x 0.74"; 357mm x 235mm x 18.9mm											
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

ThinkBook 15 G2 ARE



AMD



AMD



AMD



AMD



AMD



AMD