

# 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						
	Ryzen 5 4600U	6	12	2.1 GHz	4.0 GHz	3MB L2 / 8MB L3						
	Ryzen 7 4700U	8	8	2.0 GHz	4.1 GHz	4MB L2 / 8MB L3						
	Ryzen 7 4800U	8	16	1.8 GHz	4.2 GHz	4MB 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
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)										Security	Power-on password, hard disk password, supervisor password, Kensington lock slot
Chipset	AMD SoC (System on Chip) platform										Security chip	Firmware TPM 2.0 integrated in chipset
Memory	40GB max / 3200MHz DDR4, dual-channel capable 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM slot										Fingerprint reader	Touch style fingerprint reader on smart power button
Display	Size	Resolution	Surface	Touch	Type	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	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, &amp; other factors</i>
	15.6"	FHD (1920x1080)	Anti-glare	-	TN	220 nits	16:9	500:1	45% NTSC	90°	Max battery life	<i>65W USB-C AC adapter or 65W USB-C mini wall-mount AC adapter (65W USB-C mini wall-mount AC adapter is only available in selected countries)</i>
	15.6"	FHD (1920x1080)	Anti-glare	-	IPS	250 nits	16:9	700:1	45% NTSC	170°	AC adapter	
	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°		
Multi-touch(opt)	Capacitive-type on-cell multi-touch, supports 10 fingers gesture										Preload (optional)	<i>Preloaded operating system</i> <ul style="list-style-type: none"><li>• Windows® 10 Home 64</li><li>• Windows 10 Pro 64</li></ul> <i>Preloaded applications (only some listed)</i> <ul style="list-style-type: none"><li>• Microsoft® 365 Personal</li><li>• Microsoft 365 Family</li><li>• Microsoft Office Home and Business 2019</li><li>• Microsoft Office Home and Student 2019</li><li>• Microsoft Office Professional 2019</li><li>• Microsoft Office Personal 2019</li><li>• Microsoft Office Trial (with 30-day license)</li></ul>
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 2 or PCIe 3.0 x 4</li><li>• M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li></ul>										Limited warranty	<i>One of the following, configurable by model:</i> <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>
Optical	None										Mil-Spec test	Work in progress
Ethernet	Gigabit Ethernet connection										Environment	ENERGY STAR® 8.0; ErP lot3, TUV Low Blue Light certified (IPS display only), RoHS-compliant
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 card</li><li>• Intel® Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.1, M.2 card</li></ul> <i>* Intel WiFi 6 full features might be limited by country level restrictions</i> <i>* Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above)</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

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