

ThinkBook 15 G2 ARE Platform Specifications

Product Specifications Reference (PSREF)

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|-------------------|--|-----------------|--------------|-------------|-----------------|-----------------|--------------|---------------------|-------------|---------------|--------------------|--|--|--|--|--|--|--|--|--|--|
| 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 | | | | | | | | | | | | | |
| | Ryzen 3 4300U | 4 | 4 | 2.7 GHz | 3.7 GHz | 2MB L2 / 4MB L3 | DDR4-3200 | AMD Radeon Graphics | | | | | | | | | | | | | |
| | 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 | | | | | | | | | | | | | | | |
| 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) | | | | | | | | | | Camera | HD720p camera with ThinkShutter, fixed focus, integrated dual array digital microphone | | | | | | | | | |
| 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 | | | | | | | | | | Audio support | HD Audio, Realtek ALC3287 codec, stereo speakers, 2W x 2, Dolby Audio™, dual array digital microphone | | | | | | | | | |
| Display | Size | Resolution | Surface | Touch | Type | Brightness | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Keyboard Touchpad | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight Buttonless Mylar surface touchpad, multi-touch, supports Precision TouchPad | | | | | | | | | |
| | 15.6" | FHD (1920x1080) | Anti-glare | - | TN | 220 nits | 16:9 | 500:1 | 45% NTSC | 90° | Security | Power-on password, hard disk password, supervisor password, Kensington Nano security slot | | | | | | | | | |
| | 15.6" | FHD (1920x1080) | Anti-glare | - | IPS | 250 nits | 16:9 | 700:1 | 45% NTSC | 170° | Security chip | Firmware TPM 2.0 integrated in chipset | | | | | | | | | |
| | 15.6" | FHD (1920x1080) | Anti-glare | - | IPS | 300 nits | 16:9 | 1200:1 | 100% sRGB | 170° | Fingerprint reader | Touch style fingerprint reader on smart power button | | | | | | | | | |
| | 15.6" | FHD (1920x1080) | Anti-glare | Multi-touch | IPS | 300 nits | 16:9 | 800:1 | 45% NTSC | 170° | 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> | | | | | | | | | |
| Multi-touch(opt) | Capacitive-type on-cell multi-touch, supports 10 fingers gesture | | | | | | | | | | AC adapter | 65W USB-C AC adapter or 65W USB-C mini wall-mount AC adapter <i>(65W USB-C mini wall-mount AC adapter is only available in selected countries)</i> | | | | | | | | | |
| 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 | | | | | | | | | | 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) | | | | | | | | | |
| Optical | None | | | | | | | | | | Limited warranty | One of the following, configurable by model: • 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 | Work in progress | | | | | | | | | |
| 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 Wi-Fi 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> | | | | | | | | | | Environment | EPEAT™ Silver; ENERGY STAR® 8.0; ErP lot3; RoHS-compliant; TUV Low Blue Light certified (IPS display only) | | | | | | | | | |
| 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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