

# ThinkBook 13s-IWL 20R90073GE

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Product  
ThinkBook 13s-IWL

Region  
WE

Country  
Germany

Machine Type  
20R9

Processor  
Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

Graphics  
Integrated Intel UHD Graphics 620

Memory  
1 x 16GB DDR4-2400

Display  
13.3" FHD (1920x1080) IPS 300nits Anti-glare

Multi-touch  
None

Storage  
256GB SSD M.2 2242 PCIe NVMe

Optane Memory  
None

Optical  
None

Ethernet  
None

WLAN + Bluetooth  
11ac, 2x2 + BT5.0

Color  
Mineral Grey

Camera  
720p

Microphone  
Dual Array

Keyboard  
None

Fingerprint Reader  
Fingerprint Reader

TPM  
Discrete TPM 2.0

Battery  
Integrated 45Wh

Power Adapter  
65W Slim Tip

Operating System  
Windows 10 Pro 64

Bundled Software  
Office Trial

Warranty  
1-year, Depot

Announce Date  
2019-05-22



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# ThinkBook 13s-IWL Platform Specifications

Product Specifications Reference (PSREF)

|                |                                                                                                                                                                                                                                                                                           |                 |              |                |                     |               |                |                        |                                             |                                                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|----------------|---------------------|---------------|----------------|------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor      | 8th Generation Intel® Core™ i5 / i7 Processor                                                                                                                                                                                                                                             |                 |              |                |                     |               |                |                        | Dimensions                                  | WxDxH: 12.11" x 8.52" x 0.63"; 307.6mm x 216.4mm x 15.9mm                                                                                                                                                                                                                 |
|                | Processor Number                                                                                                                                                                                                                                                                          | # of Cores      | # of Threads | Base Frequency | Max Turbo Frequency | Cache         | Memory Types   | Processor Graphics     | Weight                                      | Starting at 2.91 lb / 1.32 kg                                                                                                                                                                                                                                             |
|                | i5-8265U                                                                                                                                                                                                                                                                                  | 4               | 8            | 1.6 GHz        | 3.9 GHz             | 6MB           | DDR4-2400      | Intel UHD Graphics 620 | Case color                                  | Mineral Grey                                                                                                                                                                                                                                                              |
| i7-8565U       | 1.8 GHz                                                                                                                                                                                                                                                                                   |                 |              | 4.6 GHz        | 8MB                 | Case material |                |                        | Display cover: Aluminum<br>Bottom: Aluminum |                                                                                                                                                                                                                                                                           |
| Graphics       | Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and AMD Radeon™ 540X, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 3840x2160@60Hz (USB Type-C); 3840x2160@30Hz (HDMI) |                 |              |                |                     |               |                |                        | Media reader                                | None                                                                                                                                                                                                                                                                      |
|                |                                                                                                                                                                                                                                                                                           |                 |              |                |                     |               |                |                        | Ports                                       | One USB-C 3.1 Gen 2 (with the function of DisplayPort), two USB 3.1 Gen 1 (one with Always On), HDMI 1.4b, headphone / microphone combo jack, AC power adapter jack<br><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> |
| Chipset        | Intel SoC (System on Chip) platform<br>16GB max / 2400MHz DDR4, one DDR4 SO-DIMM sockets<br><i>* System clocks down for processors with lower memory controller</i>                                                                                                                       |                 |              |                |                     |               |                |                        | Camera                                      | HD720p camera, fixed focus, ThinkShutter                                                                                                                                                                                                                                  |
| Memory         |                                                                                                                                                                                                                                                                                           |                 |              |                |                     |               |                |                        | Audio support                               | HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ X3, Skype For Business certified dual array integrated digital microphone, microphone subsystem optimized for voice recognition                                                                  |
| Display        | Size                                                                                                                                                                                                                                                                                      | Resolution      | Surface      | Type           | Brightness          | Aspect Ratio  | Contrast Ratio | Viewing Angle          | Keyboard                                    | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight                                                                                                                                                                                                        |
|                | 13.3"                                                                                                                                                                                                                                                                                     | FHD (1920x1080) | Anti-glare   | IPS            | 300 nits            | 16:9          | 800:1          | 170°                   | Trackpad                                    | Buttonless Mylar surface touchpad, multi-touch                                                                                                                                                                                                                            |
| Multi-touch    | None                                                                                                                                                                                                                                                                                      |                 |              |                |                     |               |                |                        | Security                                    | Power-on password, hard disk password, supervisor password, FIDO® (Fast Identity Online)                                                                                                                                                                                  |
| Storage        | One of the following, configurable by model: <ul style="list-style-type: none"><li>M.2 SSD / SATA 6.0Gb/s</li><li>M.2 (2242) SSD / PCIe NVMe, PCIe 3.0 x 2</li><li>M.2 (2280) SSD / PCIe NVMe, PCIe 3.0 x 4</li></ul>                                                                     |                 |              |                |                     |               |                |                        | Security chip                               | Discrete TPM 2.0, TCG Certified                                                                                                                                                                                                                                           |
|                |                                                                                                                                                                                                                                                                                           |                 |              |                |                     |               |                |                        | Fingerprint reader                          | <i>Optional:</i> Integrated on Power Button                                                                                                                                                                                                                               |
| Optane™ Memory | None                                                                                                                                                                                                                                                                                      |                 |              |                |                     |               |                |                        | Battery                                     | Integrated Li-ion 45Wh battery, supports Rapid Charge (quick charge 30min 50% / 2h 100%) with 65W slim tip AC adapter                                                                                                                                                     |
| Optical        | None                                                                                                                                                                                                                                                                                      |                 |              |                |                     |               |                |                        | Max battery life                            | MobileMark® 2014: 11 hr<br><i>* Battery life varies significantly with settings, usage, &amp; other factors</i>                                                                                                                                                           |
| Ethernet       | Gigabit Ethernet connection via optional Lenovo USB-C to Ethernet Adapter                                                                                                                                                                                                                 |                 |              |                |                     |               |                |                        | AC adapter                                  | 45W or 65W slim tip AC adapter                                                                                                                                                                                                                                            |
| WLAN           | Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card<br>Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                     |                 |              |                |                     |               |                |                        | Preload                                     | Windows® 10 Home 64 or Windows 10 Pro 64                                                                                                                                                                                                                                  |
| Bluetooth™     |                                                                                                                                                                                                                                                                                           |                 |              |                |                     |               |                |                        | 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/2-yr motherboard depot repair service</li><li>2-year/1-yr battery depot repair service</li></ul>                                            |
|                |                                                                                                                                                                                                                                                                                           |                 |              |                |                     |               |                |                        | Environment                                 | ENERGY STAR® 7.0; RoHS-compliant                                                                                                                                                                                                                                          |

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

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May 2019

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