

# ThinkPad X380 Yoga 20LH0013US

**Region**  
US

**Machine Type**  
20LH

**TopSeller**  
TopSeller

**Processor**  
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

**vPro**  
No

**Graphics**  
Integrated Intel UHD Graphics 620

**Memory**  
8GB Soldered

**Display**  
13.3" FHD (1920x1080) IPS

**Multi-touch**  
10-point Multi-touch

**Case Material**  
Carbon

**Storage**  
256GB SSD M.2 PCIe NVMe Opal2

**Optical**  
None

**WLAN + Bluetooth**  
Intel 8265 ac, 2x2 + BT4.1

**WWAN**  
None

**SIM Card**  
None

**Smart Card Reader**  
None

**Dock**  
None

**Monitor Cable**  
None

**Adapter**  
None

**Color**  
Silver

**Camera**  
720p

**Keyboard**  
Backlit

**Pen**  
ThinkPad Pen Pro

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
None

**TPM**  
dTPM 2.0

**Battery**  
51Wh

**Power Adapter**  
65W Slim Tip

**Operating System**  
Windows 10 Pro 64

**Warranty**  
3-year, Depot

**Global**  
No

**End of Support**  
Feb 6, 2023

**Ann Date (mm/yy)**  
02/18

**Note:**

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ThinkPad X380 Yoga Platform Specifications

Product Specifications Reference (PSREF)

|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        |                                                     |                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|---------------------|-------|--------------|------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor       | 8th Generation Intel® Core™ i5 / i7 Processor                                                                                                                                                                        |            |              |                |                     |       |              |                        | Dimensions<br>Weight<br>Case color<br>Case Material | WxDxH: 12.34" x 8.75" x 0.72"; 313.5mm x 222.2mm x 18.2mm<br>Starting at 3.17 lb (1.43kg)<br>Black or silver<br>Carbon-Fiber Hybrid                                                                                  |
|                 | Processor Number                                                                                                                                                                                                     | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics     |                                                     |                                                                                                                                                                                                                      |
|                 | i5-8250U                                                                                                                                                                                                             | 4          | 8            | 1.6 GHz        | 3.4 GHz             | 6MB   | DDR4-2400    | Intel UHD Graphics 620 |                                                     |                                                                                                                                                                                                                      |
|                 | i5-8350U                                                                                                                                                                                                             |            |              | 1.7 GHz        | 3.6 GHz             | 6MB   |              |                        |                                                     |                                                                                                                                                                                                                      |
|                 | i7-8550U                                                                                                                                                                                                             |            |              | 1.8 GHz        | 4.0 GHz             | 8MB   |              |                        |                                                     |                                                                                                                                                                                                                      |
| i7-8650U        | 1.9 GHz                                                                                                                                                                                                              |            |              | 4.2 GHz        | 8MB                 |       |              |                        |                                                     |                                                                                                                                                                                                                      |
| Graphics        | Intel UHD Graphics 620 in processor only;<br>supports external digital monitor via HDMI or USB Type-C;<br>supports three independent displays;<br>Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI) |            |              |                |                     |       |              |                        | Smart card reader                                   | Optional: Smart card reader (mutually exclusive with NFC)                                                                                                                                                            |
| Chipset         | Intel SoC (System on Chip) platform                                                                                                                                                                                  |            |              |                |                     |       |              |                        | Media reader                                        | One microSD card slot (microSD, microSDHC, microSDXC), UHS-I                                                                                                                                                         |
| Memory          | 8GB or 16GB / 2400MHz DDR4 / soldered to systemboard, no sockets<br>* System clocks down for processors with lower memory controller                                                                                 |            |              |                |                     |       |              |                        | Ports                                               | Two USB 3.1 Gen 1 (one Always On), Ethernet extension connector,<br>one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, microSD card reader,<br>nano-SIM card slot (WWAN models), headphone / microphone combo jack |
| Display         | 13.3" (337.8mm) FHD (1920x1080), glossy, LED backlight, IPS<br>300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle                                                                                 |            |              |                |                     |       |              |                        | WiGig dock                                          | None                                                                                                                                                                                                                 |
| Multi-touch     | Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge),<br>supports 10-finger gesture                                                                                                                   |            |              |                |                     |       |              |                        | Monitor cable (optional)                            | USB-C to VGA: Lenovo USB-C to VGA Plus Power Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter<br>HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter                                                          |
| Hinge           | Yoga hinge, 360 degree                                                                                                                                                                                               |            |              |                |                     |       |              |                        | Camera                                              | One of the following, configurable by model:<br>720p: HD720p camera, fixed focus                                                                                                                                     |
| Convert-mode    | Laptop, tent, stand, yoga and tablet                                                                                                                                                                                 |            |              |                |                     |       |              |                        | Audio support                                       | IR & 720p: IR camera and HD720p camera, fixed focus<br>HD Audio, Conexant® CX11771 codec / stereo speakers, 2W x 2 /<br>dual array microphone, headphone / microphone combo jack                                     |
| Pen             | ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable                                                                                                                                          |            |              |                |                     |       |              |                        | Keyboard                                            | 6-row, spill-resistant, multimedia Fn keys, LED backlight                                                                                                                                                            |
| Storage         | Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)                                                                                            |            |              |                |                     |       |              |                        | UltraNav™                                           | TrackPoint® pointing device and 3+2 buttons Mylar surface multi-touch click pad                                                                                                                                      |
| Optical         | None                                                                                                                                                                                                                 |            |              |                |                     |       |              |                        | Security                                            | Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                                         |
| Ethernet        | Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro)<br>via optional ThinkPad Ethernet Extension Cable                                                                                               |            |              |                |                     |       |              |                        | Security chip                                       | Discrete TPM 2.0 TCG Certified                                                                                                                                                                                       |
| WLAN            | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card<br>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS                                                           |            |              |                |                     |       |              |                        | vPro (optional)                                     | Intel vPro Technology                                                                                                                                                                                                |
| Bluetooth™      | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                |            |              |                |                     |       |              |                        | Fingerprint reader                                  | Optional: Touch style match on chip fingerprint reader on the palm rest                                                                                                                                              |
| WWAN (optional) | Integrated Mobile Broadband 4G LTE,<br>Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)                                                                                                                       |            |              |                |                     |       |              |                        | NFC (optional)                                      | Near Field Communication (mutually exclusive with smart card reader)                                                                                                                                                 |
| SIM card (opt)  | Nano-SIM card slot                                                                                                                                                                                                   |            |              |                |                     |       |              |                        | Battery                                             | Li-Ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W<br>USB Type-C AC adapter                                                                                                               |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Max battery life<br>AC adapter                      | MobileMark® 2014: 13.6 hr<br>45W or 65W slim tip AC adapter , 45W or 65W USB Type-C AC adapter                                                                                                                       |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Light sensor                                        | Ambient Light Sensor                                                                                                                                                                                                 |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | G-sensor/<br>eCompass                               | 3D accelerometer and 3D magnetometer<br>3D compass                                                                                                                                                                   |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Gyroscope                                           | 3D gyrometer                                                                                                                                                                                                         |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Preload                                             | Some: Windows 10 Home 64<br>Some: Windows 10 Pro 64                                                                                                                                                                  |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Limited warranty                                    | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service                                                                                          |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Mil-Spec test                                       | MIL-STD-810G military certification                                                                                                                                                                                  |
|                 |                                                                                                                                                                                                                      |            |              |                |                     |       |              |                        | Environment                                         | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant                                                                                                                                                                            |

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