# ThinkPad X1 Yoga (3rd Gen) Platform Specifications

## Processor

<table>
<thead>
<tr>
<th>Processor Type</th>
<th>Number</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th Generation Intel® Core™ i5 / i7 Processor</td>
<td>i5-7300U</td>
<td>2</td>
<td>4</td>
<td>2.6 GHz</td>
<td>3.5 GHz</td>
<td>3MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>8th Generation Intel Core i5 / i7 Processor</td>
<td>i5-8250U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>3.4 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
<tr>
<td></td>
<td>i7-8550U</td>
<td>4</td>
<td>8</td>
<td>1.8 GHz</td>
<td>4.0 GHz</td>
<td>8MB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Graphics

- Intel HD Graphics 620 or Intel UHD Graphics 620 in processor, supports external digital monitor via HDMI or USB Type-C; supports three independent displays. Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI).

## Chipset

- Intel SoC (System on Chip) platform
- 8GB or 16GB / 2133MHz LPDDR3 / soldered to system board, no sockets

## Display

- Yoga hinge, 360 degree
- Laptop, tent, stand, and tablet
- ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable
- 14.0” (355mm) HDR WQHD (2560x1440) with Dolby Vision, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS

## Multi-touch

- Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture, reduces overall display brightness by 10%

## Hinge

- Yoga hinge, 360 degree

## Pen (optional)

- ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable

## Storage

- M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
- M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)

## Optical

- None

## Ethernet

- Native Intel Ethernet Connection WGI219-LM (vPro)
- via optional ThinkPad Ethernet Extension Cable

## WLAN

- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
- * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS
- Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

## WWAN (optional)

- Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card
- Nano-SIM card slot, optional Verizon LTE (US) SIM card

## Dimensions

- **Width (W)**: 13.11" x 9.02" x 0.67"
- **Height (H)**: 333mm x 229mm x 17.05mm

## Weight

- Starting at 3.08 lb (1.4kg)

## Case color

- Black or silver

## Display cover

- Carbon-Fiber and Glass-Fiber hybrid; Bottom: magnesium-PPS hybrid

---

**Smart card reader**

- None

**Media reader**

- MicroSD card reader, supports UHS-II

**Ports**

- Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, microSD card reader
- * Depending on many factors, actual data transfer speed may be lower than theoretical speed

**WiGig dock**

- None

**Monitor cable (optional)**

- HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
- USB-C to VGA: Lenovo USB-C to VGA Adapter
- USB-C to DP: Lenovo USB-C to DisplayPort Adapter

**Camera (optional)**

- One of the following, configurable by model:
  - 720p:
  - HD720p camera with ThinkShutter camera privacy, fixed focus
  - IR & 720p:
  - IR camera and HD720p camera, fixed focus
  - * WWAN models and HDR panel models cannot support IR camera

**Audio support**

- HD Audio, Realtek™ ALC3286 codec, Dolby® Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo jack

**Keyboard**

- 6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlight
- TrackPoint® pointing device and 3+2 buttons multi-touch clickpad

**Security**

- Power-on password, hard disk password, supervisor password, security keyhole
- Security chip: Discrete TPM 2.0 TCG Certified

**System Mgt (opt)**

- Intel vPro Technology

**Battery**

- Integrated Li-Ion 54Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
- MobileMark® 2014: 15.4 hrs
- * Battery life varies significantly with settings, usage, & other factors

**AC adapter**

- 45W or 65W USB Type-C AC adapter

**Preload**

- Windows® 10 Pro 64

**Limited warranty**

- One of the following, configurable by model:
  - 1-year depot repair service
  - 1-year depot with 2-year planar
  - 3-year/1-yr battery depot repair service

**Mil-Spec test**

- MIL-STD-810G military testing

**Environment**

- EPEAT™ Silver; ENERGY STAR™; RoHS-compliant

---

Lenovo

July 2019