### ThinkPad X1 Yoga (3rd Gen) Platform Specifications

<table>
<thead>
<tr>
<th>Processor</th>
<th>8th Generation Intel® Core™ i5 / i7 Processor</th>
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<tbody>
<tr>
<td>Number</td>
<td># of Cores</td>
</tr>
<tr>
<td>i5-8250U</td>
<td>4</td>
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<tr>
<td>i5-8350U</td>
<td>4</td>
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<tr>
<td>i7-8550U</td>
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<tr>
<td>i7-8650U</td>
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</tbody>
</table>

**Graphics**
- 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
- Intel XMM 7360 (Fibocom L850-GL), 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
  - Discrete TPM 2.0 TCG Certified
  - Reduced at Power-on password, hard disk password, supervisor password, security keyhole
  - Discrete TPM 2.0 TCG Certified

**Memory**
- 8GB or 16GB / 2133MHz LPDDR3 / soldered to system board, no sockets

**Display**
- 14.0” (355mm) HDR WQHD (2560x1440) with Dolby Vision
- 14.0” (355mm) WQHD (2560x1440), LED backlight, 300 nits, 16:9 aspect ratio, 72% gamut, 170° viewing angle, IPS
- 14.0” (355mm) FHD (1920x1080), LED backlight, 300 nits, 16:9 aspect 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

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

**Storage**
- Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
- Some: 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

**LAN**
- 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
  - * Depending on many factors, actual data transfer speed may be lower than theoretical speed

**Bluetooth™**
- 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

**SIM card (optional)**
- Nano-SIM card slot, optional Verizon LTE (US) SIM card

**Dimensions**
- WxDxH: 13.11” x 9.02” x 0.67”; 333mm x 229mm x 17.05mm
- Weight: Starting at 3.08 lb (1.4kg)
- Case color: Black or silver

**Case material**
- 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)**
- Lenovo HDMI to VGA Monitor Adapter

**Camera (optional)**
- One of the following, configurable by model:
  - HD720p: HD720p camera with ThinkShutter camera privacy, fixed focus
  - IR & 720p: IR camera and HD720p camera, fixed focus
  - * WWAN models and HDR panel models can not 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**
- UltraNav™
  - 6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlight
  - TrackPoint® pointing device and 3+2 buttons multi-touch clickpad

**Security**
- Security chip
  - Discrete TPM 2.0 TCG Certified

**Battery**
- Integrated Li-ion 54Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
  - with 65W USB Type-C AC adapter

**Max battery life**
- MobileMark® 2014: 15.4 hr

**AC adapter**
- * Battery life varies significantly with settings, usage, & other factors

**Light sensor**
- Ambient Light Sensor

**G-sensor**
- 3D accelerometer

**Gyroscope**
- 3D gyrometer

**GPS**
- GPS function is integrated into WWAN module

**Preload**
- Windows® 10 Pro 64

**Limited warranty**
- One of the following, configurable by model:
  - 1-year depot repair service
  - 3-year/1-yr battery depot repair service

**Mil-Spec test**
- MIL-STD-810G military testing

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

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