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

### Processor
- **7th Generation Intel® Core™ i5 Processor**
  - Processor Number: i5-7300U
  - # of Cores: 2
  - # of Threads: 4
  - Base Frequency: 2.6 GHz
  - Max Turbo Frequency: 3.5 GHz
  - Cache: 3MB
  - Memory Types: LPDDR3-1866
  - Processor Graphics: Intel HD Graphics 620

- **8th Generation Intel Core i5 / i7 Processor**
  - Processor Number: i5-8250U
    - # of Cores: 4
    - # of Threads: 8
    - Base Frequency: 1.6 GHz
    - Max Turbo Frequency: 4.1 GHz
    - Cache: 6MB
    - Memory Types: LPDDR3-2133
    - Processor Graphics: Intel UHD Graphics 620
  - Processor Number: i7-8550U
    - # of Cores: 4
    - # of Threads: 8
    - Base Frequency: 1.7 GHz
    - Max Turbo Frequency: 4.0 GHz
    - Cache: 8MB
    - Memory Types: LPDDR3-2133
    - Processor Graphics: Intel UHD Graphics 620

### 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
- Intel SoC (System on Chip) platform
- Intel XMM 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS
- Limited warranty

### Display
- **Some:** 14.0" (355mm) FHD (1920x1080), LED backlight, 300 nits, 16:9 aspect ratio, 72% gamut, 170° viewing angle, IPS
- **Some:** 14.0" (355mm) QHD (2560x1440), LED backlight, 300 nits, 16:9 aspect ratio, 72% gamut, 170° viewing angle, IPS
- **Some:** 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, LED backlight, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle, IPS
- **Some:** 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, LED backlight, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% 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
- **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

### WLAN
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
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- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card

### Bluetooth™
- 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
- 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

### Security
- Power-on password, hard disk password, supervisor password, security keyhole

### Battery
- Integrated Li-Ion 54Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
- Battery life varies significantly with settings, usage, & other factors
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### Audio
- HD Audio, Realtek ALC2686 codec, Dolby Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo jack

### Camera (optional)
- One of the following, configurable by model:
  - 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

### Monitor cable
- 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

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

### Security chip
- Discrete TPM 2.0 TCG Certified

### System Mgt (opt)
- Intel vPro Technology

### Fingerprint reader
- Touch style match on chip fingerprint reader on the palm rest

### NFC (optional)
- Near Field Communication

### Limited warranty
- One of the following, configurable by model:
  - 1-year depot repair service
  - 1-year depot with 2-year system board service
  - 3-year/1-yr battery depot repair service

### MIL-Spec test
- MIL-STD-810G military testing

### Environment
- EPEAT Silver; ENERGY STAR®; RoHS-compliant

**Product Specifications Reference (PSREF)**

Lenovo

July 2019