ThinkPad X1 Yoga (3rd Gen) Platform Specifications

Processor — 8th Generation Intel® Core™ i5 / i7 Processor

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	LPDDR3-2133	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;
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

Memory — 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets

Display
- *Some:* 14.0" (355mm) FHD (1920x1080), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
- *Some:* 14.0" (355mm) WQHD (2560x1440), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast 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

Multi-touch — Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture

Hinge — Yoga hinge, 360 degree

Convert-mode — Laptop, tent, stand, and tablet

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
** Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS*

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 *(opt)* — 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

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 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 — 6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlit

UltraNav™ — 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

vPro *(optional)* — Intel vPro Technology

Fingerprint reader — Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)* — Near Field Communication

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 — 45W or 65W USB Type-C AC adapter

Light sensor — Ambient Light Sensor

G-sensor — 3D accelerometer and 3D magnetometer

Compass — None

Gyroscope — 3D gyrometer

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 certification

Environment — EPEAT™ Gold; ENERGY STAR®; RoHS-compliant