ThinkPad X1 Yoga (3rd Gen) Platform Specifications

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

	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 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
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets
Display	*Some:* 14.0" (355mm) FHD (1920x1080), LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, WVA, AR (anti-reflection) *Some:* 14.0" (355mm) WQHD (2560x1440), LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, WVA, AR (anti-reflection) *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, WVA, AR (anti-reflection)
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	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 + Bluetooth™	• Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card • Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card
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 (Power Delivery, DisplayPort, Data transfer), 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
Bundled Accy	*Optional:* ThinkPad Ethernet Extension Cable
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 /, 360° Noise-cancelling Dual Array Far Field, 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 (may be disabled in some region)
System Mgt *(opt)*	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 hrs ** Battery life varies significantly with hardware configurations, settings, usage, & other factors*
AC adapter	45W or 65W USB-C AC adapter
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 *(optional)*	• 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
Mil-Spec test	MIL-STD-810G military testing
Environment	EPEAT™ Silver; ENERGY STAR®; RoHS-compliant

Note: The specifications above may not be available in all regions and might change by regions.