

ThinkPad X1 Yoga (4th Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor										Smart card reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Media reader	None	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	LPDDR3-2133	Intel UHD Graphics 620		Ports	Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, side docking connector, security keyhole	
	i5-8365U			1.6 GHz	4.1 GHz	6MB				* Depending on many factors, actual data transfer speed may be lower than theoretical speed		
	i7-8565U			1.8 GHz	4.6 GHz	8MB				Optional: Lenovo HDMI to VGA Monitor Adapter		
	i7-8665U			1.9 GHz	4.8 GHz	8MB				Optional: ThinkPad Ethernet Extension Adapter Gen 2		
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C / Thunderbolt; supports three independent displays; Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)										Camera (optional)	One of the following, configurable by model: - HD720p camera with ThinkShutter camera privacy, fixed focus - IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus
Chipset	Intel SoC (System on Chip) platform										Audio support	HD Audio, Realtek® ALC1012L codec, Stereo speakers, 2W x 2, 0.8W x 2, Dolby® Audio™ Atmos / Quad array far-field microphones, headphone / microphone combo jack
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets											
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, LED backlight TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad	
	14.0"	FHD (1920x1080) Low Power	IPS	Glossy	380 nits	16:9	800:1	72%	170°	Security	Power-on password, hard disk password, supervisor password, security keyhole	
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Glossy	380 nits	16:9	1000:1	72%	170°	Security chip	Discrete TPM 2.0 TCG Certified	
	14.0"	WQHD (2560x1440)	IPS	Glossy	280 nits	16:9	800:1	72%	170°	System Mgt	Optional: Intel vPro Technology	
	14.0"	UHD (3840x2160) Dolby Vision™ HDR400	IPS	Glossy	470 nits	16:9	1400:1	90%	170°	Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest	
Multi-touch	Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture										NFC	Optional: Near Field Communication
Hinge	Yoga hinge, 360 degree										Battery	Integrated Li-Ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Convert-mode	Laptop, tent, stand, and tablet										Max battery life	MobileMark® 2014: 18.1 hrs
Pen	ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable											* Battery life varies significantly with settings, usage, & other factors
Storage	One of the following, configurable by model: - M.2 2280 SSD / SATA 6.0Gb/s - M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 - Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4										AC adapter	45W or 65W USB Type-C AC adapter
Optane™ Memory	Intel Optane Memory H10										G-sensor	3D accelerometer
Optical	None										Gyroscope	3D gyrometer
Ethernet	Native Intel Ethernet Connection I219-LM (vPro) or I219-V (Non-vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2										GPS	GPS function is integrated into WWAN module
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card										Preload	One of the following, configurable by model: - Windows® 10 Pro 64 - Windows 10 Home 64
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										Limited warranty	One of the following, configurable by model: 1-year depot repair service 3-year/1-yr battery depot repair service
WWAN (optional)	One of the following, configurable by model: - Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card - Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card										Mil-Spec test	MIL-STD-810G military testing
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card										Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant
Dimensions	WxDxH: 12.71" x 8.58" x 0.61"; 323mm x 218mm x 15.5mm											
Weight	Starting at 2.99 lb (1.36kg)											
Case color	Iron Gray											
Case material	Display cover: Aluminium; Bottom: Magnesium											