

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								
	i7-8565U			1.8 GHz	4.6 GHz	8MB								
	i7-8665U			1.9 GHz	4.8 GHz	8MB								
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)										Monitor cabl	Optional: Lenovo HDMI to VGA Monitor Adapter		
Chipset	Intel SoC (System on Chip) platform										Bundled Accy	Optional: ThinkPad Ethernet Extension Adapter Gen 2		
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets										Camera (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> HD720p camera with ThinkShutter camera privacy, fixed focus IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus 		
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle				Audio support	HD Audio, Realtek® ALC1012L codec, Stereo speakers, 2W x 2, 0.8W x 2, Dolby® Audio™ Atmos / Quad array far-field microphone, headphone / microphone combo jack
	14.0"	FHD (1920x1080) Low Power	IPS	Glossy	380 nits	16:9	800:1	72%	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight			
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Glossy	380 nits	16:9	1000:1	72%	170°	UltraNav™	TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad			
	14.0"	WQHD (2560x1440)	IPS	Glossy	280 nits	16:9	800:1	72%	170°	Security	Power-on password, hard disk password, supervisor password, security keyhole			
	14.0"	UHD (3840x2160) Dolby Vision™ HDR400	IPS	Glossy	470 nits	16:9	1400:1	90%	170°	Security chip	Discrete TPM 2.0 TCG Certified			
Multi-touch	Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture										System Mgt	Optional: Intel vPro Technology		
Hinge	Yoga hinge, 360 degree										Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest		
Convert-mode	Laptop, tent, stand, and tablet										NFC	Optional: Near Field Communication		
Pen	ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable										Battery	Integrated Li-Ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter		
Storage	One of the following, configurable by model: <ul style="list-style-type: none"> 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 										Max battery life	MobileMark® 2014: 18.1 hrs * Battery life varies significantly with settings, usage, & other factors		
Optane™ Memory	Intel Optane Memory H10										AC adapter	45W or 65W USB Type-C AC adapter		
Optical	None										G-sensor	3D accelerometer		
Ethernet	Native Intel Ethernet Connection I219-LM (vPro) or I219-V (Non-vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2										Gyroscope	3D gyrometer		
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card										GPS	GPS function is integrated into WWAN module		
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										Preload	One of the following, configurable by model: <ul style="list-style-type: none"> Windows® 10 Pro 64 Windows 10 Home 64 		
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> 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 										Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> 1-year depot repair service 3-year/1-yr battery depot repair service 		
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card										Mil-Spec test	MIL-STD-810G military testing		
Dimensions	WxDxH: 12.71" x 8.58" x 0.61"; 323mm x 218mm x 15.5mm										Environment	EPEAT™ Bronze; ENERGY STAR® 7.1; RoHS-compliant		
Weight	Starting at 2.99 lb (1.36kg)													
Case color	Iron Gray													
Case material	Display cover: Aluminium; Bottom: Magnesium													