



# ThinkPad X380 Yoga Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions <i>WxDxH:</i> 12.34" x 8.75" x 0.72"; 313.5mm x 222.2mm x 18.2mm Weight Starting at 3.17 lb (1.43kg) Case color Black or silver Case Material Carbon-Fiber Hybrid
	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	DDR4-2400	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 only; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Smart card reader <i>Optional:</i> Smart card reader (mutually exclusive with NFC) Media reader One microSD card slot (microSD, microSDHC, microSDXC), UHS-I Ports Two USB 3.1 Gen 1 (one Always On), Ethernet extension connector, one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, microSD card reader, nano-SIM card slot (WWAN models), headphone / microphone combo jack
Chipset	Intel SoC (System on Chip) platform								WiGig dock None
Memory	8GB or 16GB / 2400MHz DDR4 / soldered to systemboard, no sockets * System clocks down for processors with lower memory controller								Monitor cable <i>(optional)</i> <i>USB-C to VGA:</i> Lenovo USB-C to VGA Plus Power Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter <i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter
Display	13.3" (337.8mm) FHD (1920x1080), glossy, LED backlight, IPS 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle								Camera <i>One of the following, configurable by model:</i> 720p: HD720p camera, fixed focus IR & 720p: IR camera and HD720p camera, fixed focus
Multi-touch	Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture								Audio support HD Audio, Conexant® CX11771 codec / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack
Hinge	Yoga hinge, 360 degree								Keyboard 6-row, spill-resistant, multimedia Fn keys, LED backlight
Convert-mode	Laptop, tent, stand, yoga and tablet								UltraNav™ TrackPoint® pointing device and 3+2 buttons Mylar surface multi-touch click pad
Pen	ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable								Security Power-on password, hard disk password, supervisor password, security keyhole
Storage	<i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)								Security chip Discrete TPM 2.0 TCG Certified
Optical	None								vPro <i>(optional)</i> Intel vPro Technology
Ethernet	Native Intel Ethernet Connection I219-V ( <i>Non-vPro</i> ) or I219-LM ( <i>vPro</i> ) via optional ThinkPad Ethernet Extension Cable								Fingerprint reader Touch style match on chip fingerprint reader on the palm rest
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								NFC <i>(optional)</i> Near Field Communication (mutually exclusive with smart card reader)
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery Li-Ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
WWAN <i>(optional)</i>	Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)								Max battery life <i>MobileMark® 2014:</i> 13.6 hr 45W or 65W slim tip AC adapter, 45W or 65W USB Type-C AC adapter
SIM card <i>(opt)</i>	Nano-SIM card slot								Light sensor Ambient Light Sensor
									G-sensor/ 3D accelerometer and 3D magnetometer
									eCompass 3D compass
									Gyroscope 3D gyrometer
									Preload <i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64
									Limited warranty <i>One of the following, configurable by model:</i> • 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

Model	Region	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Adapter	Color	Pen	Fingerprint Reader	NFC	Power Adapter	Operating System	Warranty	End of Support	Ann Date (mm/yy)
20LH000VUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH000WUS	US	i7-8550U	No	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH000XUS	US	i7-8550U	No	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH000YUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0010US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0011US	US	i7-8550U	No	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0012US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0013US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0014US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	128GB SSD M.2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0015US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0016US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0017US	US	i7-8550U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH0018US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Feb 6, 2023	02/18
20LH001QUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	May 17, 2024	04/18
20LH001RUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	May 17, 2024	04/18
20LH001SUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	May 17, 2024	04/18
20LH0023US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS	180GB SSD M.2 Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Jun 1, 2024	05/18
20LH0026US	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Jul 12, 2024	06/18
20LH0027US	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Jul 12, 2024	06/18
20LH0028US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	1TB SSD M.2 PCIe NVMe Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Black	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Jul 12, 2024	06/18

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20LH0029US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS	180GB SSD M.2 Opal2	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	None	Silver	Pen Pro	Fingerprint Reader	None	65W Slim Tip	Win10 Pro 64	3-year, Depot	Jul 12, 2024	06/18