

# ThinkPad X1 Yoga (3rd Gen) 20LD002M++

**Product**  
ThinkPad X1 Yoga (3rd Gen)

**Region**  
EMEA

**Machine Type**  
20LD

**TopSeller**  
TopSeller

**Processor**  
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

**vPro**  
No

**Graphics**  
Integrated Intel UHD Graphics 620

**Memory**  
16GB Soldered

**Display**  
14" HDR WQHD (2560x1440) IPS

**Multi-touch**  
10-point Multi-touch

**Storage**  
512GB SSD M.2 PCIe NVMe Opal2

**Optical**  
None

**WLAN + Bluetooth**  
Intel 8265 ac, 2x2 + BT4.1

**WWAN**  
Fibocom L850-GL

**SIM Card**  
None

**Dock**  
None

**Monitor Cable**  
None

**Adapter**  
ThinkPad Ethernet Extension Cable

**Color**  
Black

**Camera**  
720p

**Keyboard**  
Backlit

**Pen**  
ThinkPad Pen Pro

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
NFC

**Battery**  
54Wh

**Power Adapter**  
65W USB-C

**Operating System**  
Windows 10 Pro 64

**Warranty**  
3-year, Onsite

**Global**  
No

**End of Support**  
May 10, 2024

**Ann Date (mm/yy)**  
04/18

#### Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.  
<https://www.lenovo.com/hk/en/battery-info>



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# ThinkPad X1 Yoga (3<sup>rd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)



Processor	8th Generation Intel® Core™ i5 / i7 Processor								Smart card reader None Media reader Ports MicroSD card reader, supports UHS-II 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> 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
	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	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS <i>Some:</i> 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, 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	<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)								
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 <i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>								
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	<i>Display cover:</i> Carbon-Fiber and Glass-Fiber hybrid; <i>Bottom:</i> magnesium-PPS hybrid								
Camera (optional)	<i>One of the following, configurable by model:</i> 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 * Battery life varies significantly with settings, usage, & other factors								
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	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 3-year/1-yr battery depot repair service</li> </ul>								
Mil-Spec test	MIL-STD-810G military certification								
Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant								

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