

# ThinkPad X1 Yoga (4th Gen) 20QG000UGE

**Product**  
ThinkPad X1 Yoga (4th Gen)

**Region**  
WE

**Country**  
Germany

**Machine Type**  
20QG

**TopSeller**  
TopSeller

**Processor**  
Core i7-8665U (4C / 8T, 1.9 / 4.8GHz, 8MB)

**Graphics**  
Integrated Intel UHD Graphics 620

**Chipset**  
Intel SoC Platform

**Memory**  
16GB Soldered LPDDR3-2133

**Display**  
14" HDR400 UHD (3840x2160) IPS 470nits Glossy

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

**Storage**  
1TB SSD M.2 2280 PCIe NVMe Opal2

**Optical**  
None

**WLAN + Bluetooth**  
Intel 9560 11ac, 2x2 + BT5.0

**WWAN**  
Fibocom L850-GL

**Smart Card Reader**  
None

**Monitor Cable**  
None

**Bundled Accessories**  
ThinkPad Ethernet Extension Adapter Gen 2

**Color**  
Iron Gray

**Case Material**  
Aluminum

**Camera**  
720p + IR

**Keyboard**  
Backlit

**Pen**  
ThinkPad Pen Pro

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
NFC

**TPM**  
Discrete TPM 2.0

**Battery**  
Integrated 51Wh

**Power Adapter**  
65W USB-C

**System Management**  
Intel vPro

**Operating System**  
Windows 10 Pro 64

**Bundled Software**  
None

**Warranty**  
3-year, Depot

**Upsell Service Bundles**  
None

**End of Support**  
2025-07-18

**Announce Date**  
2019-06-18

#### 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.



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# ThinkPad X1 Yoga (4<sup>th</sup> 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"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>
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 microphones, 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"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li> </ul>									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 I1219-LM (vPro) or I1219-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"> <li>Windows® 10 Pro 64</li> <li>Windows 10 Home 64</li> </ul>
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card</li> </ul>									Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> </ul>
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™ Silver; 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										

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