

# ThinkPad X1 Nano Gen 1 20UN002WMZ

**Product**

ThinkPad X1 Nano Gen 1

**Region**

WE

**Country/Region**

Switzerland

**Machine Type**

20UN

**TopSeller**

TopSeller

**Processor**

Intel Core i7-1160G7 (4C / 8T, 2.1 / 4.4GHz, 12MB)

**Graphics**

Integrated Intel Iris Xe Graphics

**Chipset**

Intel SoC Platform

**Memory**

16GB Soldered LPDDR4x-4266

**Storage**

512GB SSD M.2 2242 PCIe 3.0x4 NVMe

**Display**

13.0" 2K (2160x1350) IPS 450nits Anti-glare

**Touchscreen**

None

**Ethernet**

100/1000M via Optional Adapter

**Optical**

None

**WLAN + Bluetooth**

Intel AX201 11ax, 2x2 + BT5.1

**WWAN**

Fibocom L850-GL

**SIM Card**

Gemalto eSIM

**Smart Card Reader**

None

**Monitor Cable**

None

**Bundled Accessories**

None

**Camera**

720p + IR with ThinkShutter

**Microphone**

4x, 360°

**Case Material**

Carbon Fiber (Top) + Magnesium Alloy (Bottom)

**Case Color**

Black, Paint

**Keyboard**

Backlit, Swiss

**Fingerprint Reader**

Touch Style, Match-on-Chip

**NFC**

None

**Security Chip**

Discrete TPM 2.0

**Battery**

Integrated 48Wh

**Power Adapter**

65W USB-C Slim

**System Management**

None

**Operating System**

Windows 10 Pro 64, WE (EN/FR/DE/NL/IT)

**Bundled Software**

None

**Base Warranty**

3-year, Depot

**Additional Certificates**

Intel Evo Platform

**Bundled Service**

Co2 Offset 0.5 ton (CPN) (5WS0Z74930), 3Y Premier TP Halo WHB (CPN) (5WS1B09495)

**EAN / UPC / JAN**

0195477134737

**End of Support**

2027-07-08

**Announce Date**

2020-12-08

**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 Nano Gen 1 Platform Specifications

Product Specifications Reference (PSREF)

Processor	11th Generation Intel® Core™ i5 / i7 Processor										Smart card reader None	Media reader None	Ports 2x Thunderbolt 4 / USB4 40Gbps (w/ the function of Power Delivery and DP 1.4a), headphone / microphone combo jack, nano-SIM card slot (WWAN models) <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics						
	i5-1130G7	4	8	1.8 GHz	4.0 GHz	8MB	LPDDR4x-4266	Intel Iris® Xe Graphics						
i7-1160G7	2.1 GHz			4.4 GHz	12MB									
Graphics	Intel Iris Xe Graphics in processor; supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via Thunderbolt (5120x3200@60Hz)										Monitor cable Bundled Accy (optional)	Camera Audio support	IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Realtek® ALC3306 codec / Dolby® Atmos™ speaker system, 2W x 2 woofers and 1W x 2 tweeters / four 360° far-field microphones, headphone / microphone combo jack	
Chipset Memory	Intel SoC (System on Chip) platform 8GB or 16GB / 4266MHz LPDDR4x / soldered to systemboard, no sockets <i>* 8GB memory is NOT available in EMEA</i>										Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, LED backlight UltraNav™ TrackPoint® pointing device and buttonless glass surface multi-touch touchpad		
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	BIOS Security	Power-on password, hard disk password, supervisor password, Firmware Resiliency 2.0		
	13.0"	2K (2160x1350) Low Power	IPS	Anti-glare	-	450 nits	16:10	1000:1	100% sRGB	170°	Security chip	• Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified		
	13.0"	2K (2160x1350) Low Power	IPS	Anti-reflection Anti-smudge	Multi-touch	450 nits	16:10	1000:1	100% sRGB	170°	System Mgt	None		
Multi-touch (opt)	Capacitive-type on-cell multi-touch, supports 10-finger gesture										Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest		
Storage	One drive, 1x M.2 2242 SSD • M.2 2242 SSD / PCIe NVMe 3.0 x 4										NFC	None		
Optical	None										HPD (optional)	Human Presence Detection (HPD)		
Ethernet	Gigabit Ethernet, RJ45 via optional Lenovo USB-C to Ethernet Adapter										Battery	Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr)		
WLAN + Bluetooth™	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.1 <i>* Intel WiFi 6 full features might be limited by country level restrictions</i>										Max battery life	<i>MobileMark® 2018: 13.6 hr</i> <i>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</i>		
WWAN (optional)	• Wireless WAN upgradable (special bid only) • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card • Qualcomm Snapdragon X55 5G Modem-RF System, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>										AC adapter	65W USB-C slim AC adapter		
SIM card (opt)	Gemalto eSIM										Operating system (optional)	• Windows® 10 Home 64 • Windows 10 Pro 64		
Dimensions	WxDxH (multi-touch): 11.53" x 8.18" x 0.56-0.68"; 292.9mm x 207.8mm x 14.27-17.2mm WxDxH (non-touch): 11.53" x 8.18" x 0.55-0.66"; 292.8mm x 207.7mm x 13.87-16.7mm										Limited warranty (optional)	• 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year limited onsite service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service		
Weight	Models	Non-Touch				Multi-touch								
	Wi-Fi model	1.99 lb / 907 g				2.14 lb / 969 g								
	WWAN model	2.07 lb / 939 g				2.21 lb / 1001 g								
Case color	Black paint or black weave										Mil-Spec test	MIL-STD-810H military testing		
Case material	Display cover: Carbon Fiber; Bottom: magnesium alloy										Environment	EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant; optional Intel Evo Platform		

Note: The specifications above may not be available in all regions and might change by regions.

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