

# ThinkPad X1 Tablet Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ M Processor									Ports	One standard USB 3.0, one USB Type-C, one Mini DisplayPort, headphone/microphone combo jack, one Pogo keyboard connector, one cartrige connector for optional modules, one nano-SIM slot
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory Types	Processor Graphics	vPro		
	m3-6Y30	2	4	0.90 GHz	2.20 GHz	4MB	LPDDR3-1866	Intel HD Graphics 515	No		
	m5-6Y54	2	4	1.10 GHz	2.70 GHz	4MB			No		
	m5-6Y57	2	4	1.10 GHz	2.80 GHz	4MB			Yes		
m7-6Y75	2	4	1.20 GHz	3.10 GHz	4MB	Yes					
Graphics	Intel HD Graphics 515 in processor, supports 1080p video out via Mini DisplayPort connector									Control buttons	Power button, volume control button, reset switch
Chipset	Intel SoC (System on Chip) platform									WiGig dock	<i>Optional:</i> WiGig dock, mutually exclusive with IR camera
Memory	<i>Some:</i> 4GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard <i>Some:</i> 8GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard <i>Some:</i> 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard <i>All:</i> no sockets, dual-channel capable									Adapter ( <i>optional</i> )	<i>mDP-HDMI:</i> Lenovo Mini DisplayPort to HDMI Monitor Cable <i>mDP-VGA:</i> Lenovo Mini DisplayPort to VGA Monitor Cable <i>USB-RJ45:</i> USB 3.0 to RJ45 adapter <i>USB-C-VGA:</i> USB-C to VGA plus power adapter <i>USB-C-HDMI:</i> USB-C to HDMI plus power adapter
Display	12.0" (304.8mm) FHD+ (2160x1440), glare, LED backlight, IPS, anti-fingerprint display with Corning® Gorilla® Glass, WideView (170° viewing), 360 nits, 3:2 aspect ratio, 800:1 contrast ratio									Camera	<i>Front camera:</i> 2.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED <i>3D camera:</i> RealSense R200 3D camera on 3D Imaging module <i>IR camera:</i> infra-red (IR) camera, mutually exclusive WiGig and NFC
Multi-touch	Capacitive touch panel, supports ten-finger gesture									Video capture	1080p video capture
Pen	<i>Optional:</i> ThinkPad Pen Pro, active pen for multi-touch display									Audio support	Realtek® ALC3268 codec / stereo speakers, 0.5 watt x 2 / three microphones, combo audio/microphone jack
Kick stand	Opening angle up to 90 degrees									Pogo Keyboard	Magnetic attached thin keyboard, with TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch
Storage	<i>Some:</i> M.2 SSD / SATA 6.0Gb/s <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s									Keyboard color	Black, red, and silver
Optical	None									Security	Kensington lock slot
Storage extension	One microSD card slot, supports up to 64GB									Security chip	TPM: TPM2.0 and TPM1.2
Ethernet	None									vPro ( <i>optional</i> )	Intel vPro Technology
WLAN	<i>One of the following, configurable by model (WiGig is mutually exclusive with IR camera):</i> <ul style="list-style-type: none"> <li>11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card</li> <li>WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card</li> </ul>									Fingerprint reader	<i>Optional:</i> Touch style Fingerprint reader
Bluetooth™	Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter									NFC	<i>Optional:</i> Near Field Communication, mutually exclusive IR camera
WWAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card</li> <li>Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)</li> </ul>									Battery - type	Lithium polymer, 37Whr
SIM card	Nano-SIM, optional Lenovo Connect (WE) SIM card									Battery - life	up to 10 hr (local video playback)
Dimensions	<i>Tablet only:</i> 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm <i>Tablet only:</i> from 1.69 lb, 767g; <i>Tablet+keyboard:</i> from 2.35 lb, 1.07kg (767g+300g); <i>Tablet+keyboard+Productivity:</i> from 2.89 lb, 1.31kg (767g+300g+245g); <i>Tablet+Productivity:</i> from 2.23 lb, 1.01kg (767g+245g); <i>Tablet+Presenter:</i> from 2.15 lb, 0.98kg (767g+210g); <i>Tablet+3D Imaging:</i> from 2.06 lb, 0.94kg (767g+168g)									AC adapter	45-watt USB Type-C adapter
Weight										Light sensor	Ambient Light Sensor
Case color	Black									G-sensor	3D accelerometer
Case material	Magnesium + PPS Hybrid injection									Compass	3D compass
Smart Card Read	<i>Optional:</i> NFC-compatible smart card reader via NFC									Gyroscope	3D gyrometer
Media reader	One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB									GPS	GPS function is integrated into WWAN module
										Modules	<i>base:</i> Dummy base cartridge <i>Pro:</i> Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) <i>Pico:</i> Presenter module, Pico projector, HDMI and 10Whr battery for presenter <i>3D:</i> 3D Imaging module, USB3.0 x 1, RealSense 3D camera and HDMI
										Preload	<i>Some:</i> Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo Companion</li> <li>Lenovo Settings</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> </ul>
										Limited warranty	1-year - depot repair service/ service upgrades available 3-year - depot repair service/ service upgrades available
										Mil-Spec test	MIL-STD-810G military certification
										Environment	EPEAT™ Gold, RoHS, GREENGUARD, Low Halogen