

# 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			Control buttons Power button, volume control button, reset switch WiGig dock Adapter (optional) <i>Optional:</i> WiGig dock, mutually exclusive with IR camera <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
	m3-6Y30	2	4	0.90 GHz	2.20 GHz	4MB	LPDDR3-1866	Intel HD Graphics 515			
	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								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	
Chipset	Intel SoC (System on Chip) platform								Optional Cameras		
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								Video capture	1080p video capture	
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								Audio support	Realtek® ALC3268 codec / stereo speakers, 0.5 watt x 2 / three microphones, combo audio/microphone jack	
Multi-touch	Capacitive touch panel, supports ten-finger gesture								Pogo Keyboard	Magnetic attached thin keyboard, with TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch	
Pen	<i>Optional:</i> ThinkPad Pen Pro, active pen for multi-touch display								Keyboard color	Black, red, and silver	
Kick stand	Opening angle up to 90 degrees								Security	Kensington lock slot	
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								Security chip	TPM: TPM2.0 and TPM1.2	
Optical	None								vPro (optional)	Intel vPro Technology	
Storage extension	One microSD card slot, supports up to 64GB								Fingerprint reader	<i>Optional:</i> Touch style Fingerprint reader	
Ethernet	None								NFC	<i>Optional:</i> Near Field Communication, mutually exclusive IR camera	
WLAN	<i>One of the following, configurable by model (WiGig is mutually exclusive with IR camera):</i> • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card • WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card								Battery - type	Lithium polymer, 37Whr	
Bluetooth™	Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery - life	up to 10 hr (local video playback)	
WWAN	<i>One of the following, configurable by model:</i> • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card								AC adapter	45-watt USB Type-C adapter	
SIM card	Nano-SIM, optional Lenovo Connect (WE) SIM card								Light sensor	Ambient Light Sensor	
Dimensions	<i>Tablet only:</i> 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm								G-sensor	3D accelerometer	
Weight	<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)								Compass	3D compass	
Case color	Black								Gyroscope	3D gyrometer	
Case material	Magnesium + PPS Hybrid injection								GPS	GPS function is integrated into WWAN module	
Smart Card Read	<i>Optional:</i> NFC-compatible smart card reader via NFC								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	
Media reader	One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB								Preload	<i>Some:</i> Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 • Lenovo Solution Center • Lenovo Companion • Lenovo Settings • Microsoft® Office preloaded; purchase a product key to activate	
									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	

<b>Model</b>	<b>20GG002C++</b>
Product	X1 Tablet
Region	WE
Machine Type	20GG
TopSeller	TopSeller
Processor	m7-6Y75 (2C, 1.2 / 3.1GHz, 4MB, 1866MHz)
vPro	vPro
WLAN & Bluetooth	Intel 18260 ac + BT4.1
Graphics	Intel HD Graphics 515
Memory (soldered)	16GB
Display	12" FHD+ (2160x1440) IPS
Multi-touch	10-point multi-touch
Pen	ThinkPad Pen Pro
Storage	512GB SSD Opal2
Optical	None
WWAN	EM7455
SIM Card	Lenovo
WiGig	WiGig Dock
Adapter	None
Camera (Front/Rear)	2.0/8.0 MP
Keyboard	Black Pogo Keyboard
Fingerprint Reader	Fingerprint Reader
NFC	NFC
Battery Cells	2-cell (37Wh)
Power Adapter (watt)	45W
Preload	Windows 10 Pro 64
Base Warranty	3-year depot
Global	No
Ann Date (mm/yy)	04/16







