

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								Optional Cameras	<i>IR camera:</i> infra-red (IR) camera, mutually exclusive WiGig and NFC	
Pen	<i>Optional:</i> ThinkPad Pen Pro, active pen for multi-touch display								Video capture	1080p video capture	
Kick stand	Opening angle up to 90 degrees								Audio support	Realtek® ALC3268 codec / stereo speakers, 0.5 watt x 2 / three microphones, combo audio/microphone jack	
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								Pogo Keyboard	Magnetic attached thin keyboard, with TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch	
Optical	None								Keyboard color	Black, red, and silver	
Storage extension	One microSD card slot, supports up to 64GB								Security	Kensington lock slot	
Ethernet	None								Security chip	TPM: TPM2.0 and TPM1.2	
WLAN	<i>One of the following, configurable by model (WiGig is mutually exclusive with IR camera):</i> <ul style="list-style-type: none"> 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 								vPro (<i>optional</i>)	Intel vPro Technology	
Bluetooth™	Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter								Fingerprint reader	<i>Optional:</i> Touch style Fingerprint reader	
WWAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/UMTS/GNSS, M.2 card 								NFC	<i>Optional:</i> Near Field Communication, mutually exclusive IR camera	
SIM card	Nano-SIM, optional Lenovo Connect (WE) SIM card								Battery - type	Lithium polymer, 37Whr	
Dimensions	<i>Tablet only:</i> 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm								Battery - life	up to 10 hr (local video playback)	
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)								AC adapter	45-watt USB Type-C adapter	
Case color	Black								Light sensor	Ambient Light Sensor	
Case material	Magnesium + PPS Hybrid injection								G-sensor	3D accelerometer	
Smart Card Read	<i>Optional:</i> NFC-compatible smart card reader via NFC								Compass	3D compass	
Media reader	One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB								Gyroscope	3D gyrometer	
									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"> 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	

Model	20GG002P++
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 8260 ac + BT4.1
Graphics	Intel HD Graphics 515
Memory (soldered)	8GB
Display	12" FHD+ (2160x1440) IPS
Multi-touch	10-point multi-touch
Pen	ThinkPad Pen Pro
Storage	256GB SSD Opal2
Optical	None
WWAN	EM7455
SIM Card	None
WiGig	None
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)	03/16







